



A Subsidiary of Coal India Limited

REM ANNUAL REPORT

2022-23

IB VALLEY COALFIELD



cmpdi
A Mini Ratna Company

CENTRAL MINE PLANNING & DESIGN

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BHUBANESWAR

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REPORT TITLE	CLIENT NAME	MAHANADI COALFIELDS LIMITED, JAGRUTI VIHAR, BURLA, SAMBALPUR – 768020
	SITE LOCATION	IB Valley Coalfield
	STUDY PERIOD	Apr'2022-Mar'2023
	REPORT DATE	June 2023
	CONSULTANT	CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.
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SECTION 1: FOREWORD

Routine environmental monitoring (REM) plays a critical role in safeguarding our planet's health and ensuring a sustainable future. It involves the systematic collection, analysis, and interpretation of data on various environmental parameters, such as air quality, water quality, biodiversity, and climate conditions. By monitoring our environment regularly, we gain valuable insights into the state of ecosystems, identify potential risks, and inform decision-making processes aimed at mitigating environmental degradation.

Data from REM is used in preparing Environmental Impact Assessment/ Environmental Management Plan (EIA/EMP) for the coal project and constitutes basis for environmental appraisal of the project and its clearance from the Ministry of Environment, Forest & Climate Change (MoEF & CC). REM data of environmental quality (Ambient Air, Meteorological, Water, Noise,) have to be generated prior to the preparation of EIA/EMP.

M/s Central Mine Planning & Design Institute Ltd (CMPDI) RI-VII, Bhubaneswar is entrusted with the task of undertaking Routine environmental monitoring (REM) of Ambient Air Quality, Water, Noise characteristics for Ib Valley coalfield of M/s Mahanadi Coal Fields Ltd as per work order no. MCL/HQ/SBP/Env&Forest/22-23/05 dated 05-04-2022.

Data on Environmental quality for financial year 2022-23 (Apr'22 to Mar'23) has been collected and analyzed in this report.

We are thankful to General Manager (Env. & Forest), Mahanadi Coal Field Ltd, Burla, for the opportunity provided to be associated in this endeavor. We are also thankful to the supporting Staff for the co-operation provided during the study.

SECTION 2: LIST OF EQUIPMENTS

Sl. No.	Name of the Instrument/Equipment	Make and Model
1	Analytical Balance	Citizen, CX 420
2	Atomic Absorption Spectrophotometer	Agilent, Spectro AA 280 FS
3	AUTOCLAVE	CHEMINCO, CIC-VA-22
4	Automatic Weather Monitoring Station	Analysar Instrument Co. Pvt.Ltd.
5	BOD Incubator	CHEMINCO, CIC-BI-12
6	CO Analyser	Horiba, APMA 370
7	COD Digestor (Close reflux)	CHEMINCO, CIC-COD-15
8	Conductivity Meter	Labtronics, LT-51
9	Deep Freezer	CHEMINCO, CIC-DFY-20
10	Desiccator cecador cabinet	TARSON
11	DO Meter	Labtronics; LT-52;
12	Electronic Precision Balance (Max 220g)	Citizen CX 265
13	Electronic Micro Balance	Citizen CM-2
14	Fine particulate sampler	Ecotech/ AAS 127 FC
15	Fume Hood	DINESH SCIENTIFIC, DS-FH-7723
16	Gas Chromatograph	Agilent, 7890 B
17	Gaseous Sampling Attachment	Envirotech/ APM 411 TE M
18	Heating Mantle	LOCAL, 01L
19	Hot air oven	Relitech
20	Incubator	CHEMINCO, CIC-BI-12
21	Laminar Flow	CHEMINCO,
22	Microwave Digestor	Milestone, Start D
23	pH meter	Eutech Instruments, p H700
24	Portable Analyser kit	Labtronics; MB-14-02-64
25	Refrigerator	Godrej (286 Litre)
26	Respirable Dust Sampler	Envitotech/ APM 460
27	TKN Analyser	Pelican, Kjeloplus
28	Turbidity meter	Shivam
29	Ultrapure Water Purification System	ELGA, Pure lab Quest
30	UV-Vis Spectrophotometer Double Beam	Labard, LIM:332
31	UV-Vis Spectrophotometer Single beam	Labard, LIM :330

SECTION 3: LIST OF PROJECT PERSONNEL

S.No	Name	Designation
1.	R.C. Sahoo	General Manager (Mining) HoD, Environment
2.	U.K.Mohanty	Chief Manager (Envr.), OIC REC Lab
3.	B.G.Ray	Manager (Geology)
4.	Anirban Mondal	Manager (Geology)
5.	Subhashree Pattanaik	Manager (Envr.)
6.	Neeraj Kumar Singh	Manager (Envr.)
7.	Manish Yadav	Manager (Envr.)
8.	Shalinie Kumar	Dy. Manager (Envr.)
9.	Rakesh Kr. Sahu	Senior Scientific Assistant
10.	Simma Bhaskar Rao	Junior Scientific Assistant
11.	Amit Pal	Junior Scientific Assistant
12.	Suresh Kumar Varri	Junior Scientific Assistant
13.	Snehasish Chowdhuri	Junior Scientific Assistant
14.	Raja Deb	Rigman
15.	Keshav Ch. Roy	Clerk
16.	S.C. Bharatiya	Sampling Assistant
17.	B. Chandrashekhar	Sampling Assistant
18.	Dharamvir Kr. Bharati	Sampling Assistant
19.	Dinesh Ku. Mahato	Sampling Assistant
20.	Pradeep Kumar	Cat-1
21.	B. Kameshwar Rao	Sampling Assistant
22.	Kamlesh Yadav	Cat-1
23.	Kanai Bauri	Cat-1
24.	Shyam Kahar	Bega Opr

SECTION 4: EXECUTIVE SUMMARY

M/s Central Mine Planning & Design Institute Ltd RI-VII, Bhubaneswar has undertaken the task of REM of Talcher & Ib Valley Coalfield of MCL. The data based on actual field monitoring of various parameters of Air, Water, Noise which is a crucial tool for understanding, managing, and protecting our environment. By systematically collecting and analyzing data, we gain valuable insights into environmental health, identify risks, and guide decision-making processes. Data is also used for preparing EIA/EMP report for various projects of M/s Mahanadi Coal field Ltd.

REM data on Environmental quality for FY Apr'22 to Mar'23 has been collected.

On the basis of wind direction pattern, the various locations for Air Quality Monitoring (AQM) were selected in such manner that some would be in upwind direction, some in downwind direction & others in crosswind direction and the core-zone. The concentration of gaseous pollutants, PM_{2.5}, Heavy metals were sampled and analyzed for compliance to GSR 826(E) vide Notification Dated 16/11/2009 & the concentration of PM₁₀ was sampled and analyzed for compliance to GSR 742(E) Dated 25/09/2000.

Drinking water samples, surface water, effluent water, well water and piezometer samples were collected to understand the overall water quality of the project area. The water parameters were sampled and analyzed to check for compliance to the specifications of (IS 10500:2012 & I 2296:1982 Inland surface water Class C).

The noise level was monitored at almost all the AQM stations on Day & Night time basis, monthly as per CMPDI/RN/LSOP 07: March

SECTION 5: CONCEPT, SCOPE OF WORK & METHODOLOGY

5.1 CONCEPT

The concept of Routine Environmental Monitoring is rooted in the recognition that environmental changes occur over time and that ongoing monitoring is necessary to understand these changes, identify trends, and assess the effectiveness of environmental management strategies. It provides a foundation for evidence-based decision-making, policy formulation, and the implementation of effective environmental protection and conservation measures.

Key components of Routine Environmental Monitoring include:

1. Data Collection: Regular data collection through various methods such as sampling, observation, and measurement is essential. This involves gathering data from monitoring stations, sensors, field surveys, laboratory analysis, and remote sensing technologies.
2. Parameter Selection: Determining which environmental parameters to monitor depends on the specific objectives and concerns of the monitoring program. Parameters can include air pollutants, water chemistry, nutrient levels, habitat quality, species abundance, and climate variables.
3. Monitoring Networks: Establishing a network of monitoring stations strategically located across different ecosystems or regions ensures representative data collection. These networks may involve fixed monitoring stations, mobile monitoring platforms, and even citizen science initiatives.
4. Data Analysis and Interpretation: Collected data is analyzed to identify patterns, trends, and anomalies. Statistical analysis, modeling techniques, and data visualization tools are employed to interpret the data and derive meaningful insights.
5. Reporting and Communication: Effective communication of monitoring results is crucial for transparency, accountability, and informing stakeholders. Regular reporting, data sharing, and dissemination of findings help raise awareness, guide decision-making, and foster collaboration among relevant parties.

5.2 SCOPE OF WORK

The study is to monitor the present Environmental conditions with respect to Air, Water, & Noise data by regular monitoring in order to understand the environmental conditions in and around the Ib Valley coalfield. The monitoring was carried out for FY 2022-23, thus the data generated will be used to estimate the present trend in comparison with stipulated standards.

5.3 METHODOLOGY

In the present study the following are the standard methods used for collection, analysis & interpretation of data:

Table 1: Standard methods used for analysis & interpretation of data:

S.No	Materials or Products tested	Parameter	Test Method Specification
1	Ambient Air	NO ₂	IS 5182 (Part 6): 2012
2	Ambient Air	PM 10	IS 5182 (Part 23): 2012
3	Ambient Air	PM 2.5	Quality Assurance Guidance Document 2.12 Monitoring PM _{2.5} in Ambient Air Using Designated Reference or Class I Equivalent Methods: 2016
4	Ambient Air	SO ₂	IS 5182 (Part 2): 2012
5	Ambient Noise Level	Noise Level (LEq)	CMPDI/RN/LSOP 07: March
6	Drinking Water	Arsenic	APHA 3114C: 2017
7	Drinking Water	Boron	IS 3025 (part 57): 2005
8	Drinking Water	Boron	APHA 4500-B B.C: 2017
9	Drinking Water	Cadmium	APHA 3113 B: 2017
10	Drinking Water	Copper	APHA 3111 A,B: 2017
11	Drinking Water	Copper	IS 3025 (Part 42): 2014
12	Drinking Water	Iron	APHA 3111 A,B: 2017
13	Drinking Water	Iron	IS 3025 (Part 53):
14	Drinking Water	Lead	APHA 3113 B : 2017
15	Drinking Water	Manganese	APHA 3111 A,B: 2017
16	Drinking Water	Total Chromium	IS 3025 (Part 52): 2014
17	Drinking water	Total Chromium	APHA 3113 B: 2017
18	Drinking water	Zinc	IS 3025 (Part 49): 2014
19	Drinking water	Alkalinity (as CaCO ₃)	IS 3025 (Part 23): 2014
20	Drinking Water	Calcium	IS 3025 (Part 40): 2014
21	Drinking Water	Chlorides	IS 3025 (Part 32): 2014
22	Drinking Water	Color	APHA 2120 C: 2017
23	Drinking Water	Fluoride	APHA 4500-F-D: 2017
24	Drinking Water	Nitrate	APHA 4500 NO ₃ B: 2017
25	Drinking Water	pH	APHA 4500 H-B: 2017
26	Drinking Water	pH value	IS 3025 (Part 11) :
27	Drinking Water	Sulphate	APHA 4500 SO ₄ E: 2017
28	Drinking Water	Total Dissolved Solids	IS 3025 (Part -16):
29	Drinking Water	Total Hardness (CaCO ₃)	IS 3025 (Part 21): 2014
30	Drinking Water	Turbidity	IS 3025 (Part -10):
31	Surface water	Arsenic	APHA 3114 C: 2017
32	Surface water	Cadmium	APHA 3113 B: 2017
33	Surface Water	Copper	IS 3025 (Part 42): 2014
34	Surface water	Copper	APHA 3111 A,B: 2017
35	Surface water	Iron	APHA 3111 A,B: 2017
36	Surface water	Iron	IS 3025 (Part 53):
37	Surface water	Lead	APHA 3113 B: 2017
38	Surface water	Zinc	IS 3025 (Part 49): 2014
39	Surface Water	Chloride	IS 3025 (Part 32): 2014
40	Surface Water	Color	APHA 2120 C: 2017
41	Surface Water	Fluoride	APHA 4500 F-D: 2017
42	Surface Water	Nitrate	APHA 4500 NO ₃ B: 2017
43	Surface Water	pH	APHA 4500-H+B: 2017
44	Surface Water	pH	S 3025 (Part 11): 2012
45	Surface Water	Sulphate	APHA 4500 SO ₄ E: 2017
46	Surface Water	Total Dissolved Solids	IS 3025 (Part -16):
47	Surface Water	Total Hardness (CaCO ₃)	IS 3025 (Part 21): 2014
48	Waste Water (Effluent / Sewage)	Ammonical Nitrogen as N	APHA 4500 NH ₃ B,F: 2017
49	Waste Water (Effluent / Sewage)	Arsenic	APHA 3114 C: 2017
50	Waste Water (Effluent / Sewage)	Biological Oxygen Demand (BOD 3 days)	IS 3025 (Part 44): 2014
51	Waste Water (Effluent / Sewage)	Cadmium	APHA 3113 B : 2017

52	Waste Water (Effluent / Sewage)	Chemical Oxygen demand (COD)	APHA 5220 B, C: 2017
53	Waste Water (Effluent / Sewage)	Colour	APHA 2120 C : 2017
54	Waste Water (Effluent / Sewage)	Copper	IS 3025 (Part 42): 2014
55	Waste Water (Effluent / Sewage)	Copper	APHA 3111, A, B : 2017
56	Waste Water (Effluent / Sewage)	Dissolved Phosphate as P	APHA 4500-P C : 2017
57	Waste Water (Effluent / Sewage)	Fluoride	APHA 4500-F- D: 2017
58	Waste Water (Effluent / Sewage)	Hexavalent Chromium	APHA 3500-B: 2017
59	Waste Water (Effluent / Sewage)	Iron	IS 3025 (Part 53): 2014
60	Waste Water (Effluent / Sewage)	Iron	APHA 3111 A, B : 2017
61	Waste Water (Effluent / Sewage)	Lead	APHA, 3113 A, B: 2017
62	Waste Water (Effluent / Sewage)	Manganese	APHA 3111 A, B: 2017
63	Waste Water (Effluent / Sewage)	Nickel	IS 3025 (Part 54): 2014
64	Waste Water (Effluent / Sewage)	Nickel	APHA 3113 A, B : 2017
65	Waste Water (Effluent / Sewage)	Nitrate Nitrogen	APHA 4500 NO3 B: 2017
66	Waste Water (Effluent / Sewage)	Oil & Grease	IS 3025 (Part 39): 2014
67	Waste Water (Effluent / Sewage)	pH value	IS 3025 (Part 11 :1983): 2012
68	Waste Water (Effluent / Sewage)	pH value	APHA 4500 - H+ A, B : 2017
69	Waste Water (Effluent / Sewage)	Sulphide	APHA, 4500 - S 2- D, : 2017
70	Waste Water (Effluent / Sewage)	Total Chromium	IS 3025 (Part 52:2003): 2014
71	Waste Water (Effluent / Sewage)	Total Kjeldahl Nitrogen	APHA 4500 N org B : 2017
72	Waste Water (Effluent / Sewage)	Total Suspended Solids	IS 3025 (Part 17-1984):
73	Waste Water (Effluent / Sewage)	Zinc	IS 3025 (Part 49): 2014
74	Waste Water (Effluent/Sewage)	Ammonical Nitrogen as N	IS 3025 (Part 34): 2014
75	Waste Water (Effluents/ Sewage)	Temperature	IS 3025 (Part-9): 2012

SECTION 6: PLAN FOR SAMPLING LOCATIONS

Site selection criteria play an important role in the initiation of “REM data generation” as it provides an outlook on the type of environmental compliance and management to be adopted by the project proponent.

Sampling stations were fixed on the basis of meteorological parameters like predominant wind direction based on IMD data and wind speeds besides physiography of the area.

Table 2: Description of Air Sampling Location used for monitoring in Apr’22 to Mar’23

Project	Code	Monitoring Station	Latitude	Longitude
Samaleswari OCP	S1	RCP Camp	21.799289	83.910268
	S2	South of the Mine	21.785884	83.896962
	S3	West of the Mine	21.799403	83.877291
	S4	Rampur Sub Area	21.802067	83.925096
Lajkura OCP	LJ1	Near Project Office	21.822439	83.91856
	LJ2	Near South Coal Stock	21.812652	83.90191
	LJ3	VIP Guest House IB Valley	21.836951	83.914797
	LJ4	Khokelmal	21.814918	83.878341
Lakhanpur OCP	LK1	Near Lilari Nallah Pump House	21.7771472	83.8504111
	LK2	Near Quarry 3	21.7656944	83.8130278
	LK3	South West of Quarry 6	21.7327417	83.7910111
	LK4	West of Quarry 3	21.7742361	83.7874611
Belpahar OCP	B1	East of the Mine	21.7245056	83.867225
	B2	Near Central Workshop	21.7715139	83.87275
	B3	Near Magazine House	21.7466694	83.8587417
	B4	South of the Mine	21.7200222	83.8147278
Lilari	LI1	Near Lilari Magazine House	21.7859889	83.8540472
Basundhara (w) OCP	BA1	CHP, CT Road	22.063722	83.738889
	BA2	Near Coal Stock of Basundhara (W) OCP	22.068622	83.730303
	BA3	North of the Sardega Railway Siding	22.06252	83.73303
	BA4	Sarangijharia Community Centre	22.06333	83.73469
	BA5	Near Internal Dump and CT Road of Basundhara/Gopalpur	22.063167	83.739861
	G1	220 KV Substation	22	83.771467

Garjanbahal OCP	G2	Kushra Village	22.033333	83.770061
	G3	Near Coal Sampling Lab	22.8786472	83.7629722
	G4	North West of Coalface (Camp Office)	22.0244028	83.7486111
	G5	Siarmal Village	22.05	83.704833
Kulda OCP	K1	West of Working Face	22.016667	83.723294
	K2	External CT Road	22.033333	83.776178
	K3	North of CHP	22.0485833	83.748
	K4	South of Working Face	22	83.743708
Hirakand Bundia Mine (HBM)	HK1	Bundia Colony Pump House	21.7889828	83.9157535
	HK2	HBI Mine	21.7824691	83.9148965
	HK3	Rampur Officers Guest House	21.8012433	83.9224003
	HK4	Rampur Sub Area (Reported Only)	21.802067	83.925096
Orient Mine No. 3	OR3	Orient Mine No. 3	21.84	83.9
Orient Mine No. 4	OR4	Orient Mine No. 4	21.860112	83.91154
Orient Mine No.1 & 2	OR1	Orient Mine No.2	21.833595	83.917749
	OR2	VIP Guest House IB Valley	21.836951	83.914797

Sampling stations covering ground water, surface water, effluent water, well water and piezometer were selected in the core and buffer zones of the projects. All samples were collected on in FY 2022-23.

Table 3: Description of Water Sampling stations for monitoring in Apr'22 to Mar'23

Drinking Water Quality Monitoring Location at IB Valley Coalfield for FY 2022-23	
Project	Monitoring Station
Samleswari	Well Water from Kudopali
	Water from Samleswari OCP Colony
	Water from IWSS, IB Valley Area
	Well Water from Lajkura
Lajkura	Madhuban Nagar Well Water
	Adarsh Nagar Colony Well Water
	Chhualiberna Village Well Water
	VIP Guest House Water
Lakhanpur	LKP Canteen Water
Belpahar	IWSS Outlet
Basundhara (W)	Water Treatment Plant Clear Water reservoir
	Tap Water at Budhijaam Colony

Orient Mine No. 1 & 2	Mine No. 1 & 2 Filter Plant
Orient Mine No. 3	Mine No. 3 Filter Plant
HBI Mine	Tap Water at Rampur Colony
	HBI Water Filter Plant
MCL(HQ)	Water at DAV School (Anand Vihar)
	Water at Corporate Office (Jagruthi Vihar)
	Inlet to Water Treatment Plant (Anand Vihar)
	Outlet of Water Treatment Plant (Anand Vihar)
Effluent Water Quality Monitoring Stations at IB Valley Coalfield for FY 2022-23	
Project	Monitoring Station
Samaleswari	Discharge point of Mine sump water
	Inlet of ETP
	Outlet of ETP
	Mine Sump water
Lajkura	Inlet of ETP
	Outlet of ETP
	Inlet of MDTP
	Outlet of MDTP
	Mine Sump Water
Central Hospital	Hospital Discharge Water 5 P (PH, TSS,BOD, O&G,COD)
	Inlet of ETP of Central Hospital 5 P (PH, TSS,BOD, O&G,COD)
	Outlet of ETP of Central Hospital 5 P (PH, TSS,BOD, O&G,COD)
Lilari	Mine Sump Water
Lakhanpur	Inlet of Secondary Sedimentation Tank
	Outlet of Secondary Sedimentation Tank
	O & G Trap Inlet
	O & G Trap Outlet
	Mine Sump Water
Belpahar	Inlet of ETP
	Outlet of ETP
	ECO Tank
	Mine Sump Water
	Inlet of MDTP
	Clear Water Tank of MDTP
Basundhara (W)	Inlet of ETP at Excavation Workshop, B(W) OCP
	Outlet of ETP at Excavation Workshop, B(W) OCP
	M1-Basundhara (E) OCP's Sump
Kulda	Inlet of ETP 6 P (PH,TSS,COD,O&G,TDS,DO)
	Final Outlet of ETP (PH,TSS,COD,O&G,TDS,DO)
	Mine Sump Water near Kulda Nursery (PH,TSS,COD,O&G,TDS,DO)
Garjanbahal	Inlet of Settling Tank (Kanika Siding)
	Outlet of Settling Tank (Kanika Siding)

	Mine Sump Water
Orient Mine No. 1 & 2	Mine Sump of Mine No. 1 & 2
Orient Mine No. 3	Mine Sump of Mine No. 3
HBI Mine	Mine Sump of HBM
Orient Mine No. 4	Mine Sump of Mine No. 4
Surface Water Monitoring Stations at IB Valley Coalfield for FY 2022-23	
Project	Name of the Station
Samaleswari	Pandren Nallah near Global Washery
	Pandren Nallah Before Confluence Point with Lilari Nallah
	Lajkura Pond Water
Lajkura	U/S of Baghmara Nala at Discharge Point
	D/S of Baghmara Nala at Discharge Point
Lakhanpur	Pulijhor Stream Near Tingismal Village as u/s for Lakhanpur OCP
	Pulijhor stream Near Darlipalil Village before Confluence to Lilari Nallah as d/s Water of Lakhanpur OCP
	Lilari Nallah Near Kudaloi Village as u/s of Lakhanpur OCP
	Lilari Nallah Near Project Office Lilari Bridge Village as d/s of Lakhanpur OCP
	Karlajori Pond
Belpahar	Adhapada village
Basundhara (W)	Basundhara River u/s point near Tilkipara
	Basundhara River d/s point near Tilkipara
Kulda	Basundhara River near Bankibahal bridge as u/s water at Duduka village
	Basundhara River near Barpali Village as d/s water
	Chattanjhor near Tumulia village as u/s water
	Chattanjhor near Siarmal chowk as d/s water
	Kund pond water
Garjanbahal	Basundhara River near Bankibahal bridge as u/s water at Duduka Village (Reported Only)
	Basundhara River near Bandhpalli village as d/s water
Orient Mine No. 1 & 2	U/S of Baghmara stream at Discharge Point
	D/S of Baghmara stream at Discharge Point
Orient Mine No. 3	Pond Water at Budhijam Village
HBI	IB River near Kutabaga Village at Bridge Point
Orient Mine No. 4	IB River Near Charbhati Village as u/s Water for IB Valley Coalfield
	IB River Bridge of NH200 at Gondghora Village as u/s of Orient Area
Ground water level & quality at Peizometric location at IB Valley Coalfield for FY 2022-23	
Project	Name of station
Samleswari	Piezometer No. MIP 04, GW level and quality (May): Kutabaga Village Belivers Church School

	Piezometer No. MIP 04, GW level (May, Aug, Nov, Jan)
Lajkura	Piezometer No. MIP 02, GW level and quality (May) Jamkani Village High School, Gumadera
	Piezometer No. MIP 02, GW level (May, Aug, Nov, Jan)
Lilari	Piezometer No. MIP 06, GW level and quality (May) Infront of Lilari mines project office
	Piezometer No. MIP 06, GW level (May, Aug, Nov, Jan)
Lakhanpur	Piezometer No. MIP 09, GW level and quality (May) (Village Junion inside premises of state govt horticulture insitute)
	Piezometer No. MIP 09, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 10, GW level and quality (May) Village Dahaldera inside premises of UP school.
	Piezometer No. MIP 10, GW level (May, Aug, Nov, Jan)
Belpahar	Piezometer No. MIP 07, GW level and quality (May) Infront of DAV School Bandhbahal inside colony substation
	Piezometer No. MIP 07, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 08, GW level and quality (May) Village Kushraloi inside premises of prathamik vidyalaya
	Piezometer No. MIP 08, GW level (May, Aug, Nov, Jan)
Basundhara (W)	Piezometer No. MIP 13, GW level and quality (May) Village Tumulia Inside campus of Manikeswari
	Piezometer No. MIP 13, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 15, GW level and quality (May) Back side of Sardega primary school
	Piezometer No. MIP 15, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 16, GW level and quality (May) Village Kulhapara (new basti) on the road from sardega to Gopalpur
	Piezometer No. MIP 16, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 17, GW level and quality (May) Village Gopalpur CMPDI Exploration camp
	Piezometer No. MIP 17, GW level (May, Aug, Nov, Jan)
Kulda	Piezometer No. MIP 01, GW level and quality (May) Garjan bahal village school campus
	Piezometer No. MIP 01, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 11, GW level and quality (May) Karlikachar infront of primary school
	Piezometer No. MIP 11, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 12, GW level and quality (May) Village Balinga , In front of MCL office
	Piezometer No. MIP 12, GW level (May, Aug, Nov, Jan)
	Piezometer No. MIP 14, GW level and quality (May)
	Piezometer No. MIP 14, GW level (May, Aug, Nov, Jan) Village Kulda primary school

Garjanbahal	Piezometer No. MIP 01, GW level and quality (May) Garjanbahal Village school campus (Reported only)
	Piezometer No. MIP 01, GW level (May, Aug, Nov, Jan) (Reported only)
	Piezometer No. MIP 11, GW level and quality (May) Karlikachhar infront of primary school. (Reported only)
	Piezometer No. MIP 11, GW level (May, Aug, Nov, Jan) (Reported only)
Orient Mine No. 1 & 2	Piezometer No. MIP 03, GW level and quality (May) Beside Ib valley GM House
	Piezometer No. MIP 03, GW level (May, Aug, Nov, Jan)
Orient Mine No. 3	Piezometer No. MIP 05, GW level and quality (May) Village Chauliberna inside narsing highschool campus
	Piezometer No. MIP 05, GW level (May, Aug, Nov, Jan)
HBI	Piezometer No. MIP 05, GW level and quality (May) Village Chauliberna inside narsing highschool campus (Reported only)
	Piezometer No. MIP 05, GW level (May, Aug, Nov, Jan) (Reported only)
Ground Water Level Location at IB Valley Coalfield for FY 2022-23	
Project	Name of station
Samleswari	Well of Kudopali
	Well of Lajkura
Lajkura	Adarsh Nagar Colony Well Water
	Chhualiberna Village Well Water
Lakhanpur	Kansar Village Well
	Khairkuni Village Well
Belpahar	Ubuda Village Well
	Jurabaga Village Well
Basundhara (W)	Sardega Village Well
	Tiklipara Village Well
Kulda	Well at Sahaspur
	Well at Teleimal
Garjhanbahal	Well at Garjanbahal Village
	South West of Coalface (*Karlikachhar)
Orient Mine No. 1 & 2	Madhuban Nagar Village Well
	Chhualiberna Village Well Water (Repeated)
Orient Mine no. 3	Lajkura Village Well (Repeated)
HBI	Chingriguda Village Well
	Kudopali Village Well (Repeated)
	Anapali Village Well
Orient Mine No. 4	Adibasi Basti Village Well
	Jhopadi Basti Village Well

Table 4: Details of Noise Level Measurement Stations in Apr'22 to Mar'23

Project	Monitoring Station
Samleswari	West of the Mine
	South of the Mine
	East of the Mine
	South East of the Mine
	Rampur Sub Area
	Khokelmal (Reported)
Lajkura	Near Project Office
	Near South Coal Stock
	VIP Guest House
	Khokelmal
	Chukani
Lilari	Near Lilari Magazine House
Lakhanpur	Near Lilari Nallah Pump House
	Near Quarry 3
	South of Quarry 6
	South West of Quarry 5
Belpahar	Near Magazine House
	South of the Mine
	East of the Mine
	Near Central Workshop
Basundhara(W)	North of the Sardega Railway Siding, Kulapada
	West of Coal Stock, Near Golf course
	South-West of Working Face Gopalpur village near CMPDIL Camp
	Sarangijharia Community Centre
	Ratansara Village
Kulda	External CT Road
	North of CHP
Garjanbahal OCP	Karlikachar Village
	Garjanbahal Village
Orient Mine No. 1 & 2	Orient Mine No. 1 & 2
	VIP guest house, IB Valley (Reported)
Orient Mine No. 3	Orient Mine No. 3
HBI Mine	HBI Mine
	Bundia Colony Pump House
	Rampur Officers Guest House
Orient Mine No. 4	Orient Mine No. 4

6.1: STUDY AREA

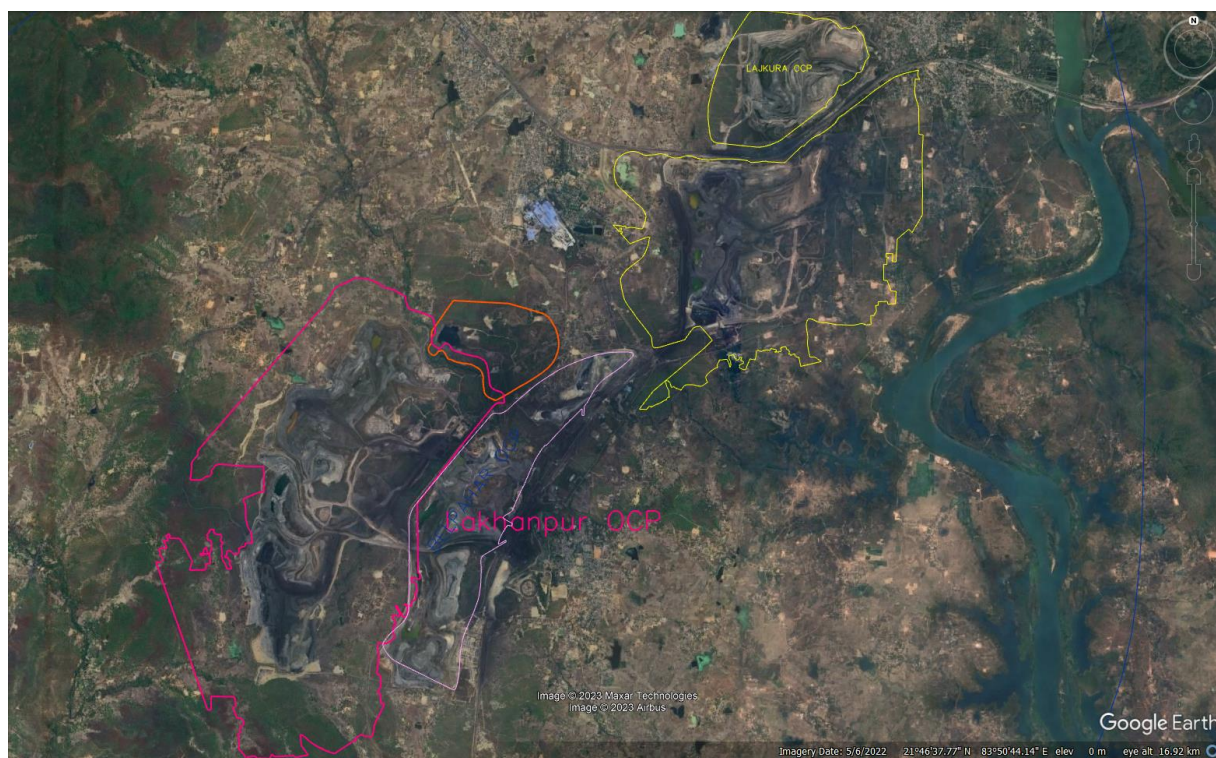


Figure 1 Satellite image of mines in Jharsuguda district with mine boundaries



Figure 2 Satellite image of mines in Sundargarh district with mine boundaries

SECTION 7: RATIONALE BEHIND SAMPLING

AAQM Sampling: Ambient Air Quality Monitoring stations were selected as per the Guidelines mentioned in IS: 5182 (Part-14): 2000 for Rapid Environmental Impact Assessment in the project area. On the basis of wind rose pattern, these AAQM stations were so selected that minimum two stations are kept in core zone aka compliance station, two stations are kept in buffer zone/ residential area aka reference stations. Representative samples are taken by distributing them specially in upwind direction, downwind direction and cross wind direction.

Water Sampling: Water is one of the most important and basic natural resources. In order to assess the water quality around the project site, accurate and adequate information regarding the physical, chemical & microbiological characteristics of water would be required. Keeping this in the mind, we collect different types of water samples viz, Drinking Water Sample from village wells, Surface Water Sample from Ib River & its tributaries (Up-Stream & Down-Stream), Ponds and Effluent water sample from OCP mine sump water & domestic& effluent treatment plants. Well water level was measured quarterly. Qualitative & quantitative analysis of samples from piezometers was also done.

Noise Sampling: To assess the noise level, different noise monitoring stations beside the AAQM stations were selected and monitored as per “The Protocol for Ambient Level Noise Monitoring, CPCB” once in a fortnight on Day & Night basis.

SECTION 8: AMBIENT AIR MONITORING REPORT

8.1: CONCEPT & SCOPE

The Ambient Air monitoring encompasses the results and statistical evaluation of the data monitored at 38 different locations in Ib Valley coalfield of MCL. The scope of study includes monitoring for ambient air for FY 2.22-23.

The AAQM Stations were selected in such a manner that stations were spread in:

1. Core-zone.
2. Upwind direction.
3. Down wind direction.
4. Crosswind direction.

Different parameters like PM₁₀, PM_{2.5}, Oxides of Sulphur, Oxides of Nitrogen, Ozone, Ammonia, CO, Lead, Nickel, Arsenic, and Benzene, Mercury, Chromium and Cadmium were monitored for representing the status of ambient air quality within the study area.

8.2: FREQUENCY OF SAMPLING

Table 5: Frequency of the sampling for AAQM was as follows:

Parameters	Frequency of each location
PM ₁₀ , PM _{2.5} , Oxides of Sulphur, Oxides of Nitrogen	Fortnightly for compliance stations & Twice in a week for reference stations
Ozone, Ammonia, CO, Lead, Nickel, Arsenic, Benzo (α) Pyrene & Benzene	Twice in a week for reference stations
Mercury, Chromium and Cadmium	Half yearly

8.3: SAMPLING DURATION

Table 6: Duration of the sampling for AAQM is as follows:

Sr. No.	Parameters	Sampling Duration (Hr.)
1	Particulate Matter (PM ₁₀)	24
2	Particulate Matter (PM _{2.5})	24
3	Oxides of Sulphur (SO ₂)	24
4	Oxides of Nitrogen (NO _x)	24
5	Ammonia (NH ₃)	24
6	Ozone (O ₃)	1
7	Carbon Monoxide (CO)	8
8	Benzene	4
9	Benzo (α) Pyrene	24
10	Lead (Pb)	24
11	Nickel (Ni)	24
12	Arsenic (As)	24
13	Mercury	24
14	Chromium	24
15	Cadmium	24

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8.4: AMBIENT AIR QUALITY MONITORING AT DIFFERENT LOCATIONS



Figure 3. Air Sampling at Village



Figure 4 Air Sampling at Village

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8.5: AMBIENT AIR MONITORING REPORT

Table: 7

Area: Ib valley Area

Project: Samleswari OCP

Monitoring Station: East of the Mine

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	172	105	48	12.03	19.02
21-Apr-22	186	104	47	12.56	20.25
02-May-22	194	108	47	12.08	20.02
17-May-22	192	106	46	16.32	20.23
01-Jun-22	198	101	48	10.61	19.26
16-Jun-22	186	106	47	13.83	17.44
01-Jul-22	210	108	50	15.86	16.85
16-Jul-22	170	82	34	10.18	15.29
02-Aug-22	178	88	39	10.71	12.18
16-Aug-22	160	80	30	11.56	15.32
01-Sep-22	152	76	29	13.84	21.87
16-Sep-22	144	72	27	10.35	11.78
01-Oct-22	164	83	32	17.51	24.01
24-Oct-22	178	87	35	11.46	12.62
01-Nov-22	178	88	38	14.55	16.23
16-Nov-22	187	95	40	10.22	12.57
01-Dec-22	170	86	34	16.97	23.74
16-Dec-22	198	104	46	10.75	13.46
02-Jan-23	186	96	41	17.33	21.27
16-Jan-23	199	106	48	11.35	17.21
03-Feb-23	192	98	44	17.16	23.53
17-Feb-23	163	83	31	11.86	17.7
13-Mar-23	131	90	35	18.51	23.22
18-Mar-23	194	104	44	10.00	14.76
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	210	108	50	17.51	24.01
Minimum	144	72	27	10.18	11.78
Average	179.9	93.7	40.0	13.1	17.8
Standard 24 hr	500	250		120	120

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Table: 8

Area: Ib valley Area**Project:** Samleswari OCP**Monitoring Station:** West of the MineAll values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	186	112	50	17.79	20.81
20-Apr-22	210	117	52	11.2	17.2
02-May-22	210	116	52	14.02	20.12
16-May-22	210	116	52	10.12	16.26
01-Jun-22	204	104	49	12.82	19.74
16-Jun-22	190	108	48	17.3	23.44
01-Jul-22	208	106	50	12.77	20.61
16-Jul-22	180	88	40	11.93	12.88
01-Aug-22	180	90	40	14.47	17.82
16-Aug-22	177	87	37	13.2	15.26
01-Sep-22	158	80	30	12.68	14.34
16-Sep-22	148	75	28	15.42	18.99
01-Oct-22	168	85	34	15.79	14.2
24-Oct-22	168	82	32	14.76	17.95
01-Nov-22	180	91	39	10.22	15.23
16-Nov-22	195	100	44	12	16.4
01-Dec-22	180	93	38	16.07	14.73
16-Dec-22	190	93	42	13.5	18.79
02-Jan-23	179	92	37	14.21	13.31
16-Jan-23	206	112	50	10.01	16.32
03-Feb-23	194	101	45	17.48	15.71
17-Feb-23	168	86	33	14.14	19.73
13-Mar-23	186	97	40	16.19	12.71
18-Mar-23	210	114	50	10.71	14.95
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	210	117	52	17.79	23.44
Minimum	148	75	28	10.01	12.71
Average	186.9	97.7	42.2	13.7	17.0
Standard 24 hr	500	250		120	120

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Table: 9

Area: Ib valley**Project:** Samleswari OCP**Monitoring Station:** South of the MineAll values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	176	110	49	12.38	27.37
20-Apr-22	198	113	50	9.44	15.68
02-May-22	195	110	48	17.61	26.32
16-May-22	196	110	48	14.35	22.6
01-Jun-22	192	98	46	15.86	24.56
16-Jun-22	184	104	47	13.98	20.79
01-Jul-22	204	104	48	17.61	23.84
16-Jul-22	174	84	36	13.24	15.18
01-Aug-22	162	80	31	13.38	19.34
16-Aug-22	168	85	34	12.1	17.32
01-Sep-22	163	82	32	10.26	16.86
16-Sep-22	158	81	30	11.41	16.49
01-Oct-22	174	88	36	10.49	17.36
24-Oct-22	176	86	34	13.14	18.34
01-Nov-22	186	94	42	12.25	13.22
16-Nov-22	186	93	38	10.47	16.53
01-Dec-22	206	114	52	12.53	21.14
16-Dec-22	194	98	44	11.88	19.1
02-Jan-23	164	82	30	12.4	18.02
16-Jan-23	203	108	49	12.33	18.54
03-Feb-23	187	96	42	9.69	16.04
17-Feb-23	185	98	41	14.54	11.53
13-Mar-23	192	104	43	10.48	16.06
18-Mar-23	198	108	46	15.87	12.59
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	206	114	52	17.61	27.37
Minimum	158	80	30	9.44	11.53
Average	184.2	97.1	41.5	12.8	18.5
Standard 24 hr	500	250		120	120

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Table: 10

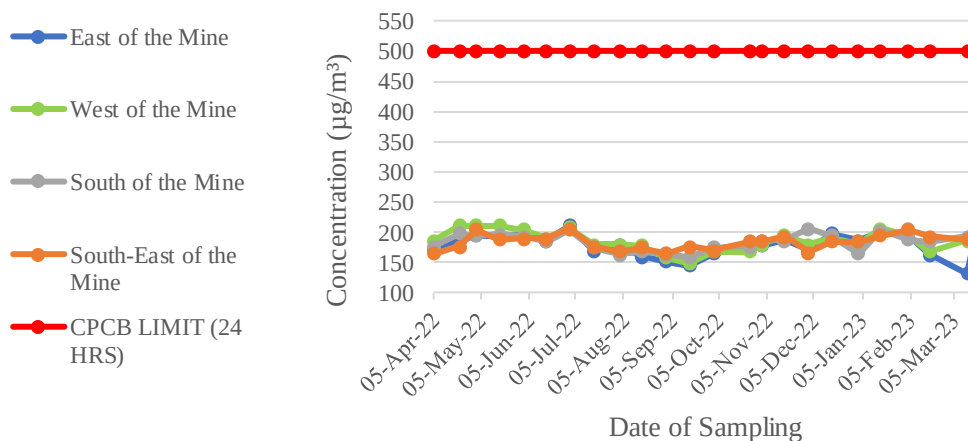
Area: Ib valley**Project:** Samleswari OCP**Monitoring Station:** South-East of the MineAll values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
06-Apr-22	165	101	48	15.54	25.87
21-Apr-22	176	97	46	15.14	24.15
03-May-22	204	112	50	13.27	27.66
17-May-22	188	104	45	15.26	22.56
02-Jun-22	190	97	46	13.42	26.83
17-Jun-22	190	107	48	16.29	20.75
02-Jul-22	206	102	48	13.74	18.78
16-Jul-22	176	86	38	12.69	17.46
02-Aug-22	168	86	36	12.01	16.27
17-Aug-22	175	86	36	10.22	14.32
02-Sep-22	164	85	34	16.87	11.76
17-Sep-22	176	87	36	10.39	14.08
01-Oct-22	170	86	35	14.9	10.24
24-Oct-22	184	90	38	10.45	13.54
02-Nov-22	184	90	40	16.25	20.22
17-Nov-22	192	97	42	10.39	13.24
02-Dec-22	166	82	32	16.12	11.3
17-Dec-22	185	95	40	11.65	15.1
03-Jan-23	184	94	39	10.69	9.73
17-Jan-23	195	100	44	12.35	18.45
04-Feb-23	204	109	48	13.9	9.55
17-Feb-23	192	100	44	10.82	12.88
13-Mar-23	188	99	41	15.27	11.99
18-Mar-23	188	97	41	11.26	14.99
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	206	112	50	16.87	27.66
Minimum	164	82	32	10.22	9.55
Average	183.8	95.4	41.5	13.3	16.7
Standard 24 hr	500	250		120	120

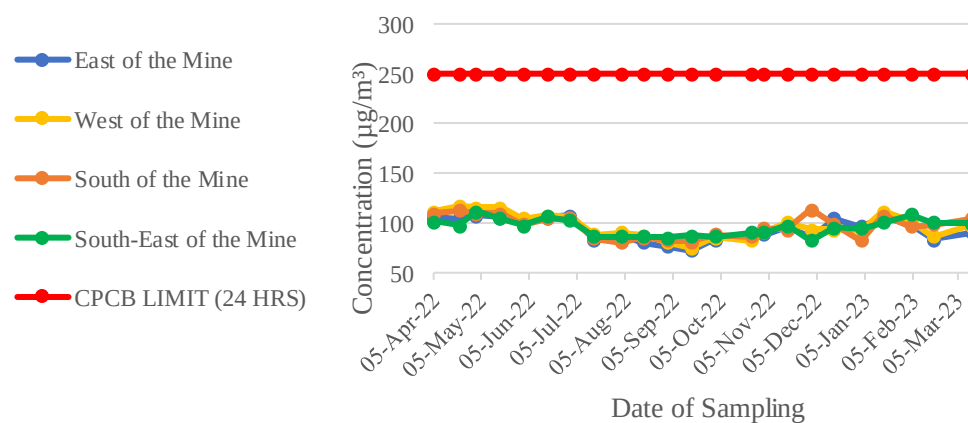
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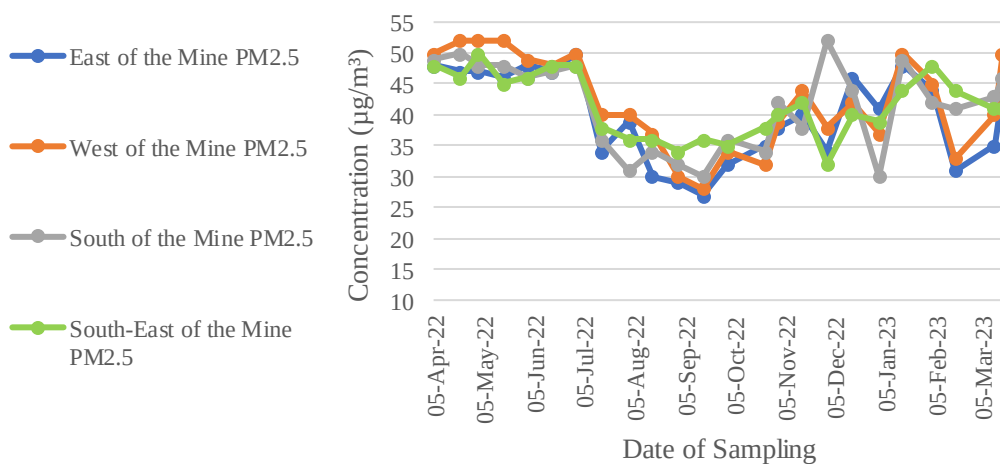
Graph Showing SPM for Samleswari OCP



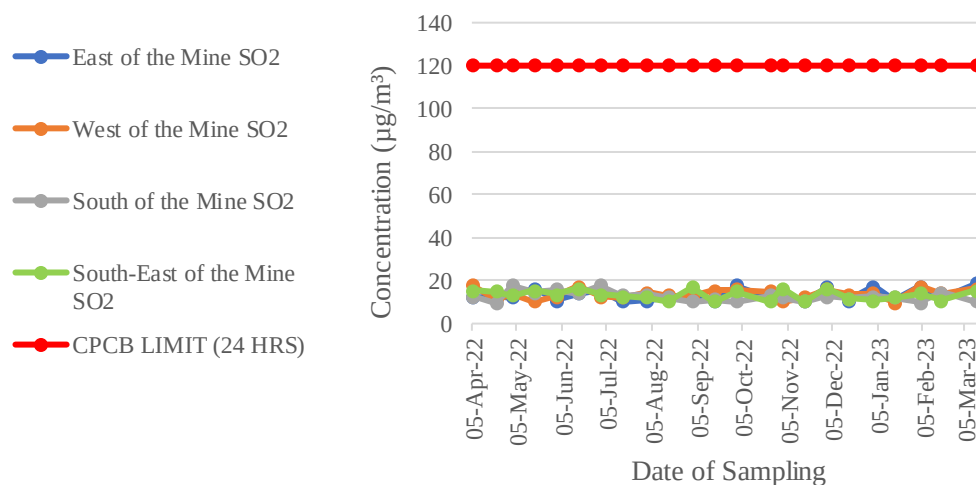
Graph Showing PM₁₀ for Samleswari OCP



Graph Showing PM_{2.5} for Samleswari OCP



Graph Showing SO_x for Samleswari OCP



Graph Showing NOX for Samleswari OCP

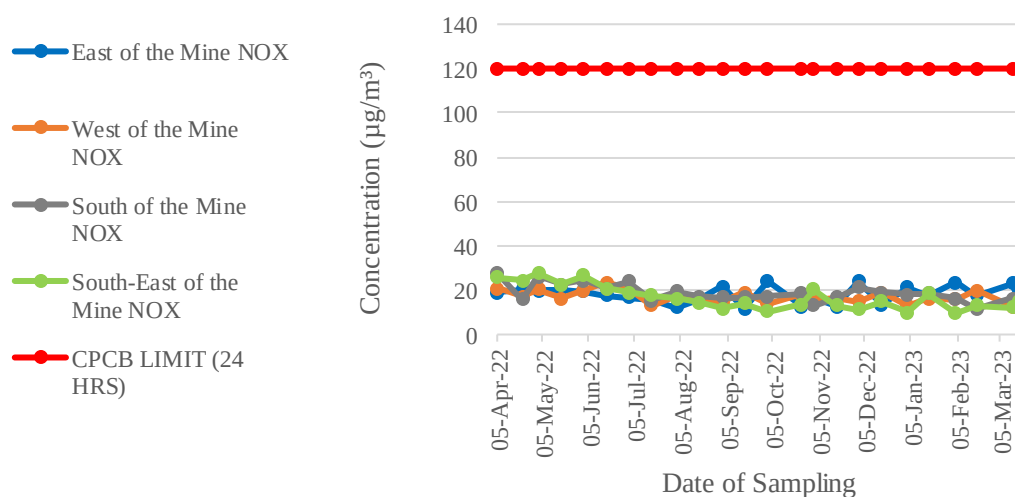


Table: 11

Area: Ib valley Area**Project:** Samleswari OCP**Monitoring Station:** Khokelmal (Reported only)

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	138	68	27	16.59	21.84
06-Apr-22	145	69	28	21.97	17.14
13-Apr-22	142	71	29	13.41	13.95
14-Apr-22	144	68	27	11.31	21.65
20-Apr-22	138	79	30	10.34	18.34
21-Apr-22	145	83	31	13.56	20.34
27-Apr-22	151	81	29	11.08	19.54
28-Apr-22	147	80	28	14.25	22.12
02-May-22	145	70	27	12.28	21.06
03-May-22	148	74	29	10.83	19.71
09-May-22	152	76	30	17.84	16.42
10-May-22	146	72	28	10.86	19.76
16-May-22	136	66	25	14.56	20.06
17-May-22	138	68	26	17.23	22.48
23-May-22	143	72	28	13.26	17.56
24-May-22	141	72	27	12.32	22.06
03-Jun-22	134	62	23	11.48	14.42
04-Jun-22	136	64	24	14.24	16.55
10-Jun-22	133	61	23	10.76	19.36
11-Jun-22	138	66	25	15.88	27.58
20-Jun-22	130	63	22	16.69	22.96
21-Jun-22	128	60	20	16.06	17.61
27-Jun-22	136	66	24	14.56	19.08
28-Jun-22	135	64	23	14.58	18.47
04-Jul-22	130	60	21	14.82	19.71
05-Jul-22	128	58	20	12.91	15.94
11-Jul-22	125	56	19	11.47	12.36
12-Jul-22	124	54	18	10.93	14.74
20-Jul-22	142	72	27	13.4	16.18
21-Jul-22	137	68	25	11.99	14.56
27-Jul-22	120	50	15	14.04	16.87
28-Jul-22	122	52	16	13.42	16.16
03-Aug-22	134	62	22	11.94	19.18
04-Aug-22	126	56	18	15.57	19.22
10-Aug-22	136	64	24	14.04	13.38
11-Aug-22	124	55	17	10.15	13.34
18-Aug-22	127	58	19	14.32	17.56
19-Aug-22	125	56	18	10.25	13.26
26-Aug-22	124	54	17	16.02	18.52
27-Aug-22	122	52	16	12.52	15.22
05-Sep-22	130	60	20	10.37	13.55
06-Sep-22	132	62	22	15.67	19.18
12-Sep-22	135	64	24	13.46	18.04
13-Sep-22	125	56	18	12.6	10.73
19-Sep-22	132	60	22	11.29	18.14

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20-Sep-22	134	62	23	13.21	16.3
26-Sep-22	138	65	25	14.71	14.01
27-Sep-22	127	56	19	11.13	14.63
06-Oct-22	132	64	22	10.4	12.73
07-Oct-22	134	66	24	13.93	20.24
12-Oct-22	138	68	25	12.25	17.09
13-Oct-22	132	63	23	14.99	12.39
21-Oct-22	140	68	25	12.41	19.12
22-Oct-22	144	70	27	16.25	19.64
28-Oct-22	136	66	23	15.01	14.07
29-Oct-22	132	64	21	10.61	13.38
03-Nov-22	144	72	26	16.13	23.57
04-Nov-22	136	65	24	18.48	17.88
11-Nov-22	132	62	22	21.1	25.79
12-Nov-22	134	64	23	15.26	17.56
18-Nov-22	160	80	30	13.86	17.35
19-Nov-22	164	84	32	12.17	16.53
25-Nov-22	150	75	28	12.74	13.23
26-Nov-22	135	64	24	10.45	14.82
28-Nov-22	98	58	28	12.16	11.45
29-Nov-22	128	71	27	11.43	14.85
05-Dec-22	134	60	20	12.03	15.01
06-Dec-22	145	68	25	12.77	18.93
12-Dec-22	140	64	23	14.83	21.1
13-Dec-22	158	80	29	15.42	13
19-Dec-22	150	72	26	14.12	18
20-Dec-22	133	58	19	11.54	15.96
26-Dec-22	137	62	21	13.04	13.79
27-Dec-22	130	56	18	11.02	15.92
04-Jan-23	136	60	20	14.63	12.16
05-Jan-23	130	56	23	11.27	15.62
11-Jan-23	133	58	19	15.79	17.54
12-Jan-23	132	56	24	17.33	11.82
18-Jan-23	146	69	25	11.89	16.34
19-Jan-23	158	78	29	12.32	17.04
23-Jan-23	138	62	22	10.65	16.39
24-Jan-23	149	72	26	13.87	18.77
27-Jan-23	155	76	28	12.45	17.45
28-Jan-23	161	81	30	14.09	18.56
01-Feb-23	163	82	30	12.06	14.76
02-Feb-23	136	62	21	11.65	16.94
06-Feb-23	158	78	29	12.92	18.03
07-Feb-23	150	72	26	15.15	12.53
12-Feb-23	132	56	18	17.66	17.35
13-Feb-23	130	56	18	14.12	14.19
22-Feb-23	150	72	26	18.25	20.74
23-Feb-23	145	69	25	15.12	21.45
27-Feb-23	137	61	22	13.52	15.02
28-Feb-23	144	65	24	13.99	11.1
03-Mar-23	156	77	28	13.86	15.18
04-Mar-23	150	70	26	15.13	20.14
10-Mar-23	136	59	20	13.13	16.69
11-Mar-23	141	64	23	15.97	11.36
16-Mar-23	162	82	30	14.83	16.86

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17-Mar-23	164	85	32	12.77	18.12
22-Mar-23	140	64	23	13.1	14.54
23-Mar-23	144	66	24	14.89	11.81
28-Mar-23	156	76	28	13.55	15.88
29-Mar-23	154	74	27	14.13	13.53
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	164	85	32	21.97	27.58
Minimum	98	50	15	10.15	10.73
Average	138.9	66.2	24.0	13.7	16.9
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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Table: 12

Area: Ib valley Area**Project:** Samleswari OCP**Monitoring Station:** Rampur Sub Area (Reported Only)

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	151	67	25	16.39	29.83
12-Apr-22	153	68	26	12.49	31.32
18-Apr-22	149	69	26	10.5	25.23
19-Apr-22	145	66	27	13.31	26.99
25-Apr-22	139	72	25	10.25	16.23
26-Apr-22	141	74	24	14.25	19.32
28-Apr-22	143	76	26	12.31	18.36
29-Apr-22	145	78	27	12.04	18.26
06-May-22	143	73	28	15.05	18.64
07-May-22	140	71	27	15.34	16.48
13-May-22	138	68	26	13.54	14.68
14-May-22	148	75	29	14.45	24.02
20-May-22	128	61	22	14.52	20.53
21-May-22	131	62	24	14.85	22.36
27-May-22	126	58	20	11.52	17.59
28-May-22	140	68	26	13.85	23.56
03-Jun-22	140	65	25	14.93	18.08
04-Jun-22	148	70	28	15.65	20.9
10-Jun-22	142	67	26	13.31	22.91
11-Jun-22	144	69	27	11.74	17.03
20-Jun-22	136	66	25	13.68	15
21-Jun-22	143	70	27	14.41	15.83
27-Jun-22	133	63	24	11.09	13.04
28-Jun-22	130	60	21	14.03	17.95
04-Jul-22	135	66	24	14.12	18.78
05-Jul-22	140	70	26	11.06	13.67
11-Jul-22	148	75	28	10.86	13.37
12-Jul-22	133	62	23	14.5	18.4
20-Jul-22	132	62	22	13.23	15.83
21-Jul-22	137	67	25	11.78	14.49
27-Jul-22	147	45	28	9.81	13.22
28-Jul-22	134	64	24	9.57	13.97
03-Aug-22	130	60	20	13.24	14.65
04-Aug-22	144	72	27	14.47	16.7
10-Aug-22	137	65	25	13.22	15.52
11-Aug-22	140	66	26	12.01	13.29
18-Aug-22	130	61	20	10.22	16.22
19-Aug-22	144	73	27	11.22	13.22
26-Aug-22	135	65	24	14.52	17.55
27-Aug-22	141	70	26	15.22	18.52
05-Sep-22	132	61	22	11.34	17.06
06-Sep-22	125	56	18	13.76	18.84
12-Sep-22	127	57	19	11.4	13.75
13-Sep-22	130	61	21	10.86	17.21
19-Sep-22	137	68	25	10.87	12.03

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20-Sep-22	130	60	20	13.44	15.51
26-Sep-22	132	62	22	10.89	12.79
27-Sep-22	125	55	18	12.05	13.33
10-Oct-22	142	72	26	11.39	14.05
11-Oct-22	134	65	24	13.33	16.9
14-Oct-22	128	60	20	16.63	15.45
15-Oct-22	132	62	22	12.99	16.44
21-Oct-22	148	75	28	11.75	12.62
22-Oct-22	136	66	24	15.84	18.15
28-Oct-22	128	62	23	11.95	13.68
29-Oct-22	124	60	20	14.8	15.9
03-Nov-22	142	70	26	16.25	13.56
04-Nov-22	133	62	21	12.85	15.52
11-Nov-22	130	60	20	10.55	14.32
12-Nov-22	125	56	17	13.85	11.52
18-Nov-22	141	71	26	12.76	16.4
19-Nov-22	150	75	28	10.47	13.43
25-Nov-22	139	68	25	11.24	11.94
26-Nov-22	136	66	24	11.86	14.44
28-Nov-22	183	91	42	14.32	15.89
29-Nov-22	134	79	37	12	20.35
05-Dec-22	132	62	21	12.46	15.68
06-Dec-22	147	71	26	13.94	18.03
12-Dec-22	158	79	29	18.71	17.72
13-Dec-22	151	74	27	14.86	19.18
19-Dec-22	149	72	26	16.78	12.47
20-Dec-22	137	63	22	15.21	19.9
26-Dec-22	139	65	23	10.66	13.92
27-Dec-22	134	58	19	11.57	12.51
04-Jan-23	152	71	26	11.91	15.04
05-Jan-23	136	60	20	12.79	14.81
11-Jan-23	138	63	22	14.82	19.59
12-Jan-23	151	72	26	16.5	15.75
18-Jan-23	155	76	28	13.87	18.54
19-Jan-23	149	72	26	11.45	17.41
23-Jan-23	162	82	30	13.24	18.62
24-Jan-23	146	68	25	12.09	17.82
27-Jan-23	142	64	23	14.27	19.68
28-Jan-23	138	63	22	13.25	20.88
01-Feb-23	136	62	21	14.27	16.15
02-Feb-23	146	68	25	18.37	24.05
06-Feb-23	154	74	27	17.71	19.74
07-Feb-23	143	66	24	14.65	19.11
12-Feb-23	151	70	26	13.18	25.31
13-Feb-23	156	76	28	20.96	18.39
22-Feb-23	135	60	20	14.34	24.2
23-Feb-23	142	66	24	13.77	22.57
27-Feb-23	157	77	29	12.8	16.59
28-Feb-23	149	72	26	16.07	22.14
03-Mar-23	150	72	26	13.37	14.86
04-Mar-23	154	75	27	17.36	19.96
10-Mar-23	162	83	30	18.5	15.15
11-Mar-23	166	67	24	13.85	15.85
16-Mar-23	156	75	28	19.48	12.89

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17-Mar-23	162	80	30	19.91	13.49
22-Mar-23	165	84	32	20.29	10.02
23-Mar-23	158	78	29	19.18	19.71
28-Mar-23	154	74	27	21.16	17.65
29-Mar-23	143	66	24	18.03	14.4
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	183	91	42	21.16	31.32
Minimum	124	45	17	9.57	10.02
Average	141.9	67.9	24.9	13.8	17.2
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

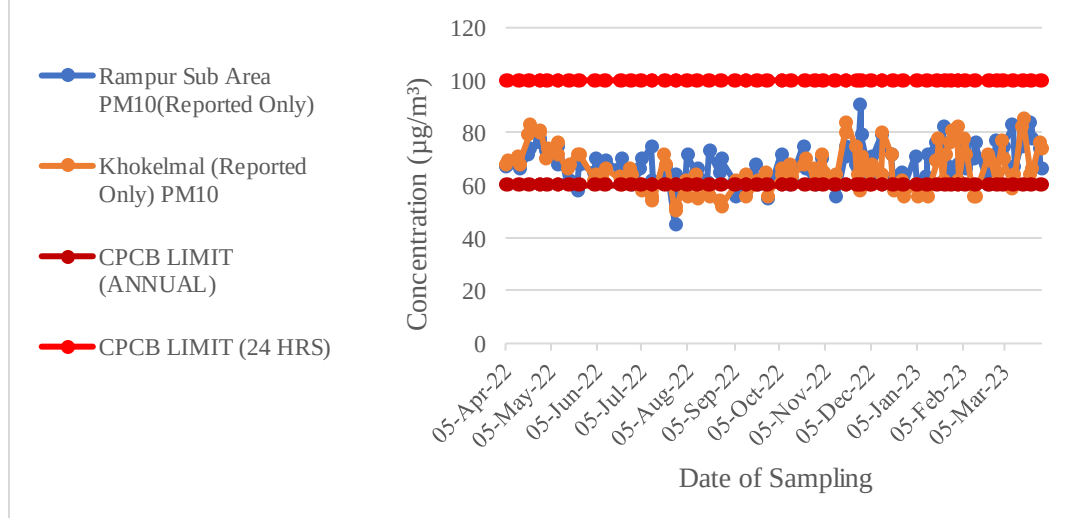


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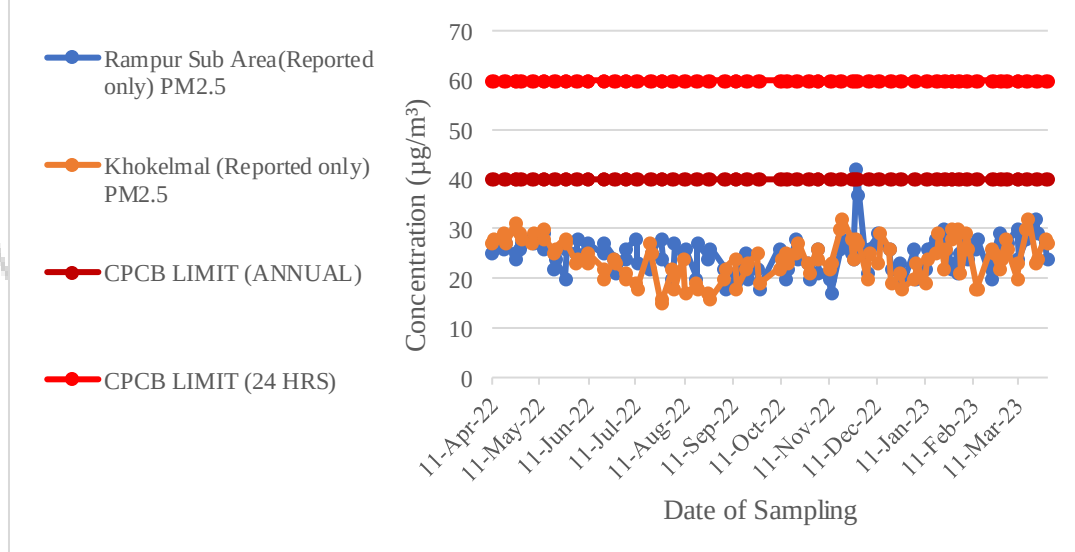
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JOB NO.750001

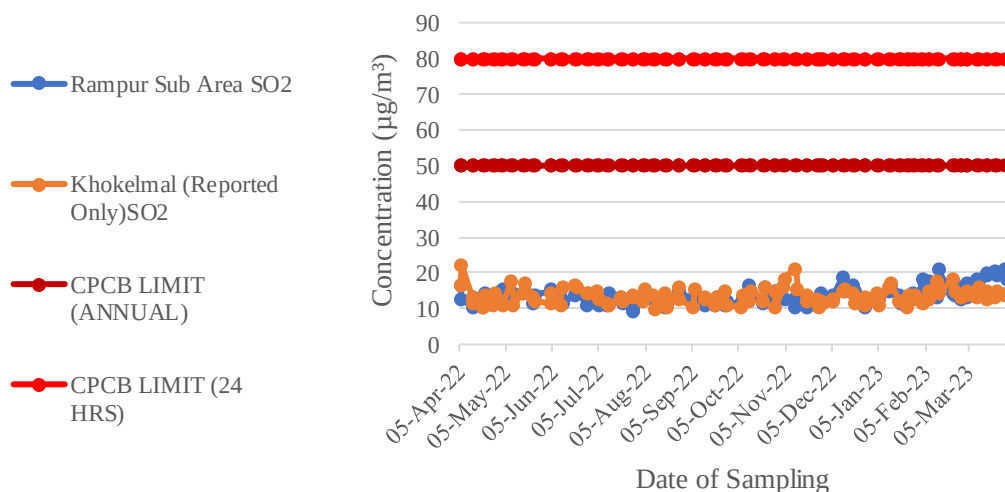
Graph Showing PM₁₀ for Samleswari OCP



Graph Showing PM_{2.5} for Samleswari OCP



Graph Showing SO_x Samleswari OCP



Graph Showing NO_x for Samleswari OCP

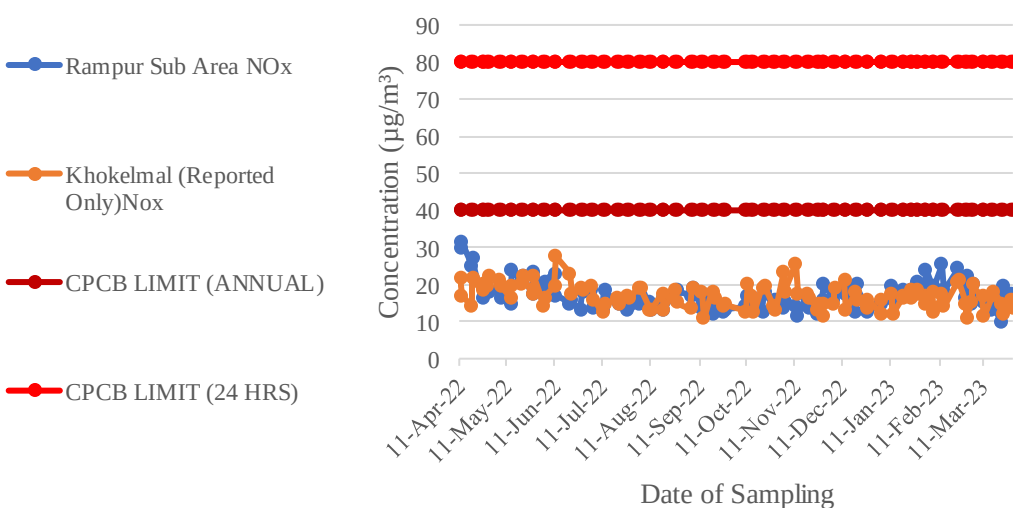


Table: 13

Area: Ib valley Area**Project:** Lajkura OCP**Monitoring Station:** Near Project Office

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	151	98	46	14.55	28.37
20-Apr-22	158	94	48	14.24	16.54
04-May-22	186	102	44	14.99	28.63
18-May-22	184	100	44	16.82	25.23
02-Jun-22	182	93	42	18.97	20.23
17-Jun-22	178	34	42	12.5	15.04
02-Jul-22	180	90	40	10.56	13.79
18-Jul-22	124	53	17	11.28	14.97
03-Aug-22	164	84	34	14.86	19.22
17-Aug-22	141	70	26	12.85	17.56
02-Sep-22	148	74	28	15.49	15.28
17-Sep-22	142	70	26	12.18	15.74
01-Oct-22	158	80	30	17.37	17.54
24-Oct-22	164	87	32	16.13	20.43
02-Nov-22	168	84	34	14.55	13.26
17-Nov-22	182	91	37	10.48	14.96
02-Dec-22	174	90	35	15.29	14.88
17-Dec-22	177	90	36	10.75	15.61
03-Jan-23	178	84	32	12.14	15.73
17-Jan-23	188	97	42	13.65	20.45
04-Feb-23	178	93	38	17.17	16.39
17-Feb-23	164	84	32	13.78	16.76
13-Mar-23	178	92	36	18.73	15.87
20-Mar-23	182	93	38	14.89	14.11
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	188	102	48	18.97	28.63
Minimum	124	34	17	10.48	13.26
Average	167.9	84.5	35.8	14.3	17.8
Standard 24 hr	500	250		120	120

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Table: 14

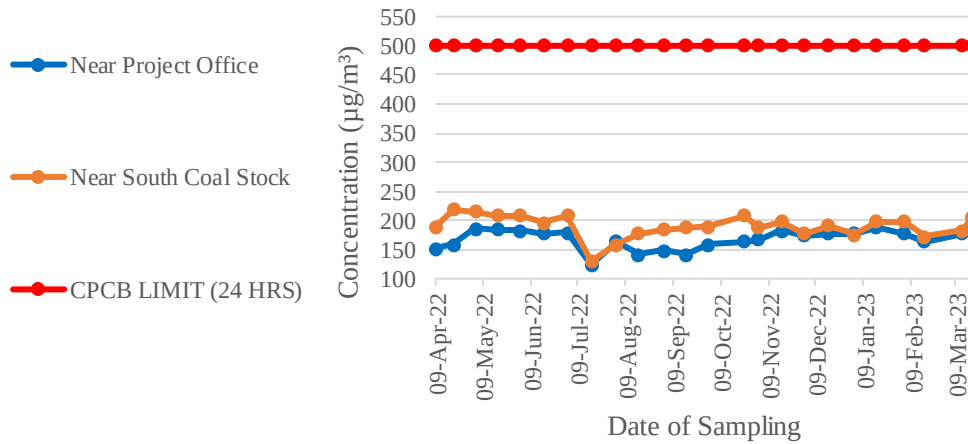
Area: Ib valley Area**Project:** Lajkura OCP**Monitoring Station:** Near South Coal Stock

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	190	115	50	12.73	18.7
25-Apr-22	218	120	52	11.25	17.26
05-May-22	216	118	54	19.11	20.25
19-May-22	208	114	52	15.26	22.23
02-Jun-22	208	114	52	15.21	15.71
17-Jun-22	196	111	50	13.46	15.1
02-Jul-22	209	110	50	13.72	16.98
18-Jul-22	130	58	21	12.41	15.21
03-Aug-22	158	78	30	12.69	13.76
17-Aug-22	178	88	37	10.66	14.99
02-Sep-22	185	92	40	13.83	19.29
17-Sep-22	188	94	42	12.36	13.4
01-Oct-22	190	96	43	15.02	19.85
24-Oct-22	208	102	45	14.17	15.02
02-Nov-22	188	95	43	22.56	14.85
17-Nov-22	198	104	46	14.07	16.64
02-Dec-22	178	92	37	14.46	19.49
17-Dec-22	192	98	43	11.53	13.88
03-Jan-23	175	90	35	13.04	17.97
17-Jan-23	198	106	47	15.24	22.14
04-Feb-23	198	106	46	15.43	20.4
17-Feb-23	172	87	34	14.5	20.88
13-Mar-23	182	94	38	17.75	21.38
20-Mar-23	206	110	48	12.25	17.63
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	218	120	54	22.56	22.23
Minimum	130	58	21	10.66	13.4
Average	190.4	99.7	43.1	14.3	17.6
Standard 24 hr	500	250		120	120

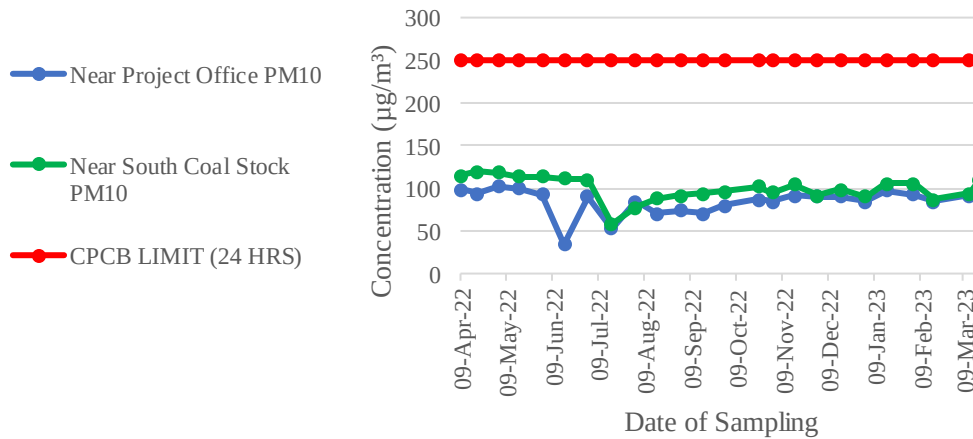
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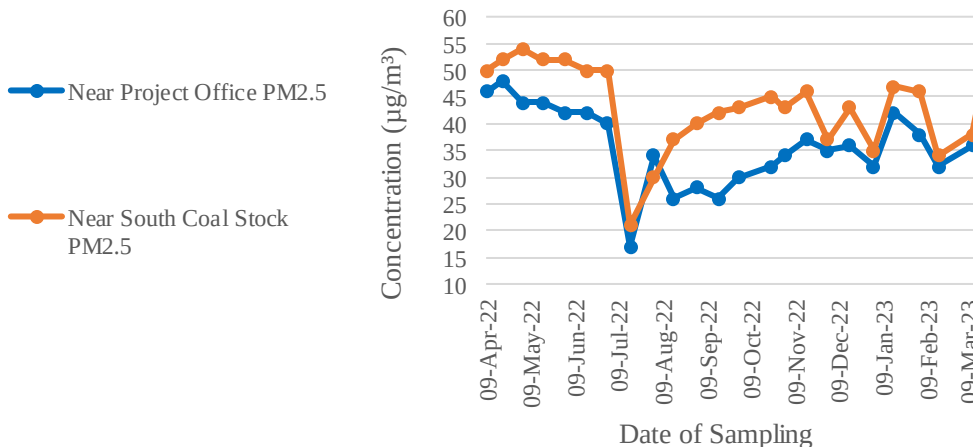
Graph Showing SPM for Lajkura OCP



Graph Showing PM_{10} for Lajkura OCP



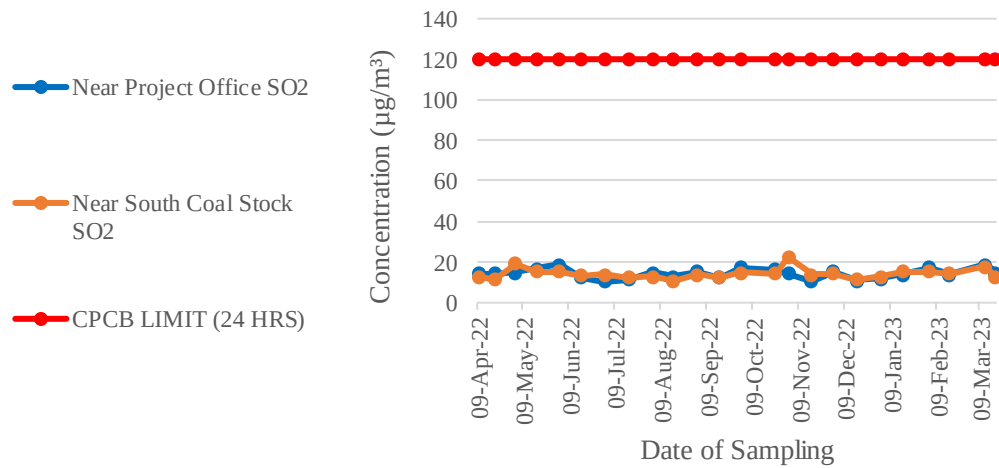
Graph Showing $\text{PM}_{2.5}$ for Lajkura OCP



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Graph Showing SO_x for Lajkura OCP



Graph Showing NO_x for Lajkura OCP

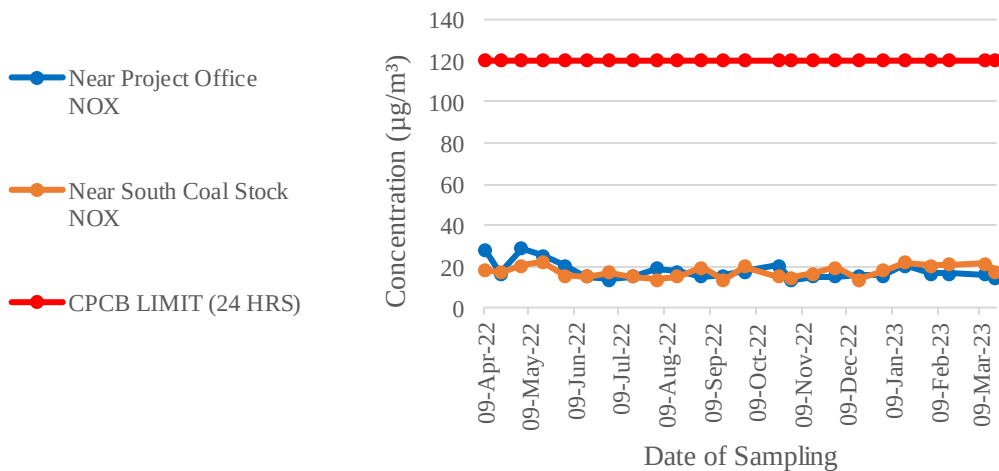


Table: 15

Area: Ib valley Area**Project:** Lajkura OCP**Monitoring Station:** Khokelmal

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	138	68	27	16.59	21.84
06-Apr-22	145	69	28	21.97	17.14
13-Apr-22	142	71	29	13.41	13.95
14-Apr-22	144	68	27	11.31	21.65
20-Apr-22	138	79	30	10.34	18.34
21-Apr-22	145	83	31	13.56	20.34
27-Apr-22	151	81	29	11.08	19.54
28-Apr-22	147	80	28	14.25	22.12
02-May-22	145	70	27	12.28	21.06
03-May-22	148	74	29	10.83	19.71
09-May-22	152	76	30	17.84	16.42
10-May-22	146	72	28	10.86	19.76
16-May-22	136	66	25	14.56	20.06
17-May-22	138	68	26	17.23	22.48
23-May-22	143	72	28	13.26	17.56
24-May-22	141	72	27	12.32	22.06
03-Jun-22	134	62	23	11.48	14.42
04-Jun-22	136	64	24	14.24	16.55
10-Jun-22	133	61	23	10.76	19.36
11-Jun-22	138	66	25	15.88	27.58
20-Jun-22	130	63	22	16.69	22.96
21-Jun-22	128	60	20	16.06	17.61
27-Jun-22	136	66	24	14.56	19.08
28-Jun-22	135	64	23	14.58	18.47
04-Jul-22	130	60	21	14.82	19.71
05-Jul-22	128	58	20	12.91	15.94
11-Jul-22	125	56	19	11.47	12.36
12-Jul-22	124	54	18	10.93	14.74
20-Jul-22	142	72	27	13.4	16.18
21-Jul-22	137	68	25	11.99	14.56
27-Jul-22	120	50	15	14.04	16.87
28-Jul-22	122	52	16	13.42	16.16
03-Aug-22	134	62	22	11.94	19.18
04-Aug-22	126	56	18	15.57	19.22
10-Aug-22	136	64	24	14.04	13.38
11-Aug-22	124	55	17	10.15	13.34
18-Aug-22	127	58	19	14.32	17.56
19-Aug-22	125	56	18	10.25	13.26
26-Aug-22	124	54	17	16.02	18.52
27-Aug-22	122	52	16	12.52	15.22
05-Sep-22	130	60	20	10.37	13.55
06-Sep-22	132	62	22	15.67	19.18
12-Sep-22	135	64	24	13.46	18.04
13-Sep-22	125	56	18	12.6	10.73
19-Sep-22	132	60	22	11.29	18.14

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20-Sep-22	134	62	23	13.21	16.3
26-Sep-22	138	65	25	14.71	14.01
27-Sep-22	127	56	19	11.13	14.63
06-Oct-22	132	64	22	10.4	12.73
07-Oct-22	134	66	24	13.93	20.24
12-Oct-22	138	68	25	12.25	17.09
13-Oct-22	132	63	23	14.99	12.39
21-Oct-22	140	68	25	12.41	19.12
22-Oct-22	144	70	27	16.25	19.64
28-Oct-22	136	66	23	15.01	14.07
29-Oct-22	132	64	21	10.61	13.38
03-Nov-22	144	72	26	16.13	23.57
04-Nov-22	136	65	24	18.48	17.88
11-Nov-22	132	62	22	21.1	25.79
12-Nov-22	134	64	23	15.26	17.56
18-Nov-22	160	80	30	13.86	17.35
19-Nov-22	164	84	32	12.17	16.53
25-Nov-22	150	75	28	12.74	13.23
26-Nov-22	135	64	24	10.45	14.82
28-Nov-22	98	58	28	12.16	11.45
29-Nov-22	128	71	27	11.43	14.85
05-Dec-22	134	60	20	12.03	15.01
06-Dec-22	145	68	25	12.77	18.93
12-Dec-22	140	64	23	14.83	21.1
13-Dec-22	158	80	29	15.42	13
19-Dec-22	150	72	26	14.12	18
20-Dec-22	133	58	19	11.54	15.96
26-Dec-22	137	62	21	13.04	13.79
27-Dec-22	130	56	18	11.02	15.92
04-Jan-23	136	60	20	14.63	12.16
05-Jan-23	130	56	23	11.27	15.62
11-Jan-23	133	58	24	15.79	17.54
12-Jan-23	132	56	24	17.33	11.82
18-Jan-23	146	69	25	11.89	16.34
19-Jan-23	158	78	29	12.32	17.04
23-Jan-23	138	62	22	10.65	16.39
24-Jan-23	149	72	26	13.87	18.77
27-Jan-23	155	76	28	12.45	17.45
28-Jan-23	161	81	30	14.09	18.56
01-Feb-23	163	82	30	12.06	14.76
02-Feb-23	136	62	21	11.65	16.94
06-Feb-23	158	78	29	12.92	18.03
07-Feb-23	150	72	26	15.15	12.53
12-Feb-23	132	56	18	17.66	17.35
13-Feb-23	130	56	18	14.12	14.19
22-Feb-23	150	72	26	18.25	20.74
23-Feb-23	145	69	25	15.12	21.45
27-Feb-23	137	61	22	13.52	15.02
28-Feb-23	144	65	24	13.99	11.1
03-Mar-23	156	77	28	13.86	15.18
04-Mar-23	150	70	26	15.13	20.14
10-Mar-23	136	59	20	13.13	16.69
11-Mar-23	141	64	23	15.97	11.36
16-Mar-23	162	82	30	14.83	16.86

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17-Mar-23	164	85	32	12.77	18.12
22-Mar-23	140	64	23	13.1	14.54
23-Mar-23	144	66	24	14.89	11.81
28-Mar-23	156	76	28	13.55	15.88
29-Mar-23	154	74	27	14.13	13.53
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	164	85	32	21.97	27.58
Minimum	98	50	15	10.15	10.73
Average	138.9	66.2	24.1	13.7	16.9
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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JOB NO.750001

Table: 16

Area: Ib valley Area**Project:** Lajkura OCP**Monitoring Station:** Chuakani

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	137	69	28	19.2	26.27
06-Apr-22	149	72	29	14.94	23.58
13-Apr-22	146	67	28	16.59	25.07
14-Apr-22	141	66	27	14.05	21.33
20-Apr-22	137	75	28	12.37	18.26
21-Apr-22	132	73	27	16.23	22.47
27-Apr-22	146	77	29	16.34	23.89
28-Apr-22	154	81	31	12.45	17.89
02-May-22	144	71	28	12.49	25.09
03-May-22	140	66	26	16.11	21.42
09-May-22	135	62	24	15.05	18.64
10-May-22	138	64	25	15.18	16.31
16-May-22	130	60	22	14.05	18.56
17-May-22	135	67	25	12.32	23.77
23-May-22	133	63	24	15.52	17.55
24-May-22	140	69	26	13.51	25.31
03-Jun-22	142	68	27	19.98	14.73
04-Jun-22	140	66	26	11.27	15.19
10-Jun-22	148	72	29	14.69	17.07
11-Jun-22	146	70	28	14.94	23.36
20-Jun-22	140	68	26	15.74	16.47
21-Jun-22	137	66	25	17	21.26
27-Jun-22	132	64	23	15.37	17.62
28-Jun-22	134	65	24	12.43	14.26
04-Jul-22	134	65	24	16.05	21.79
05-Jul-22	139	70	26	16.58	19.64
11-Jul-22	136	66	25	16.1	19.94
12-Jul-22	142	72	27	12.01	13.86
20-Jul-22	134	64	24	14.58	15.95
21-Jul-22	132	62	22	15.52	19.34
27-Jul-22	128	60	20	13.85	16.34
28-Jul-22	125	56	18	12.32	14.55
03-Aug-22	122	52	14	15.47	15.47
04-Aug-22	125	58	18	14.61	18.89
10-Aug-22	130	60	20	17.27	18.49
11-Aug-22	133	63	22	12	15.56
18-Aug-22	138	68	25	15.47	19.45
19-Aug-22	130	60	20	14.61	18.89
26-Aug-22	134	64	24	12.65	15.32
27-Aug-22	132	62	22	10.52	14.52
05-Sep-22	144	70	26	15.52	15.22
06-Sep-22	136	65	24	10.96	13.48
12-Sep-22	134	68	25	12.31	16.86
13-Sep-22	133	62	23	14.77	20.59
19-Sep-22	137	66	25	16.77	18.77

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JOB NO.750001

20-Sep-22	145	73	27	14.07	18.19
26-Sep-22	134	62	23	16.16	17.3
27-Sep-22	141	70	26	12.63	16.38
06-Oct-22	150	76	28	14.99	15.06
07-Oct-22	142	72	26	17.39	13.44
12-Oct-22	134	65	24	16.56	21.45
13-Oct-22	132	62	22	16.53	21.85
21-Oct-22	148	76	28	17.23	17.23
22-Oct-22	142	72	26	12.37	15.67
28-Oct-22	140	68	25	17.46	18.46
29-Oct-22	128	62	23	13.7	17.33
03-Nov-22	150	76	28	13.3	22.11
04-Nov-22	143	72	26	16.55	20.45
11-Nov-22	134	63	23	13.25	17.52
12-Nov-22	130	60	20	16.23	13.26
18-Nov-22	152	76	28	12.99	18.53
19-Nov-22	158	81	30	14.03	18.31
25-Nov-22	150	76	28	10.93	14.79
26-Nov-22	164	84	32	12.53	15.57
28-Nov-22	151	68	38	14.28	17.81
29-Nov-22	136	72	41	12.63	14.03
05-Dec-22	152	74	27	17.14	17.56
06-Dec-22	130	56	18	18.86	14.86
12-Dec-22	142	66	24	13.43	17.75
13-Dec-22	138	62	22	16.26	21.92
19-Dec-22	152	74	27	11.8	17.14
20-Dec-22	136	63	21	12.36	16.43
26-Dec-22	128	54	16	11.24	15.49
27-Dec-22	131	56	18	13.49	17.07
04-Jan-23	138	61	21	11.92	15.05
05-Jan-23	145	66	25	12.92	12.11
11-Jan-23	154	74	27	11.87	17.25
12-Jan-23	142	66	24	17.31	19.67
18-Jan-23	164	84	32	11.88	16.98
19-Jan-23	158	79	29	12.56	16.95
23-Jan-23	146	69	25	13.64	17.85
24-Jan-23	138	63	22	11.42	16.37
27-Jan-23	144	66	24	11.24	15.55
28-Jan-23	154	74	27	14.36	19.32
01-Feb-23	155	76	28	17.36	13.41
02-Feb-23	150	72	26	14.8	19.18
06-Feb-23	135	60	20	14.15	18.71
07-Feb-23	154	74	27	13.71	19.74
12-Feb-23	146	69	25	17.51	24.9
13-Feb-23	164	84	31	15.18	12.62
22-Feb-23	149	72	26	17.7	20.75
23-Feb-23	141	64	23	13.64	13.06
27-Feb-23	151	71	26	13.46	16.37
28-Feb-23	156	75	28	16.87	19.17
03-Mar-23	145	68	25	13.84	12.32
04-Mar-23	137	62	21	18.8	12.58
10-Mar-23	141	65	23	13.63	16.04
11-Mar-23	151	71	26	15.11	18.19
16-Mar-23	163	83	31	14.98	18.21

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JOB NO.750001

17-Mar-23	153	74	27	19.51	22.17
22-Mar-23	158	78	29	10.67	16.86
23-Mar-23	150	72	26	11.32	15.86
28-Mar-23	155	75	28	15.9	12.61
29-Mar-23	142	64	23	19.78	24.63
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	164	84	41	19.98	26.27
Minimum	122	52	14	10.52	12.11
Average	141.79	68.23	25.28	14.57	17.94
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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Table: 17

Area: Ib valley Area**Project:** Lajkura OCP**Monitoring Station:** VIP Guest House IB Valley

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	137	61	23	13.91	21.11
06-Apr-22	142	66	24	11.53	19.38
13-Apr-22	151	62	23	10.7	28.51
14-Apr-22	156	67	25	10.55	16.9
20-Apr-22	134	74	23	9.21	16.23
21-Apr-22	138	79	27	10.09	19.25
27-Apr-22	135	75	24	8.17	16.38
28-Apr-22	133	76	26	10.56	17.19
02-May-22	136	67	25	12.6	21.56
03-May-22	133	65	24	10.6	24.5
09-May-22	130	63	22	11.85	29.47
10-May-22	132	61	23	12.91	31.42
16-May-22	135	65	25	14.59	23.89
17-May-22	133	62	24	11.23	24.52
23-May-22	139	68	26	13.66	20.52
24-May-22	131	61	23	15.45	22.55
03-Jun-22	158	79	32	15.56	18.47
04-Jun-22	154	77	30	17.04	16.71
10-Jun-22	147	72	28	15.56	23.75
11-Jun-22	150	75	29	14.08	19.35
20-Jun-22	139	68	26	14.59	18.91
21-Jun-22	147	72	28	11.59	12.63
27-Jun-22	150	75	28	14.59	18.43
28-Jun-22	143	69	27	16.61	17.24
04-Jul-22	148	76	28	14.42	16.02
05-Jul-22	144	74	27	11.12	17.54
11-Jul-22	142	71	26	10.45	12.13
12-Jul-22	140	66	25	15.51	16.75
20-Jul-22	142	70	26	12.61	16.52
21-Jul-22	135	64	24	10.82	13.09
27-Jul-22	130	60	20	12.71	16.55
28-Jul-22	144	72	27	11.02	15.96
03-Aug-22	123	54	17	10.29	12.02
04-Aug-22	135	64	24	17.31	21.32
10-Aug-22	142	68	26	19.06	24.95
11-Aug-22	148	76	28	14.51	17.48
18-Aug-22	129	59	19	13.52	17.55
19-Aug-22	122	54	16	15.23	17.52
26-Aug-22	133	63	22	15.21	19.23
27-Aug-22	130	60	20	10.52	14.22
05-Sep-22	140	69	26	15.09	15.29
06-Sep-22	144	73	27	11.4	15.28
12-Sep-22	148	75	28	15.41	20.53
13-Sep-22	138	66	25	12.34	23.98
19-Sep-22	150	75	28	9.6	11.21

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JOB NO.750001

20-Sep-22	154	78	29	13.19	16.24
26-Sep-22	141	71	26	13.27	17.38
27-Sep-22	138	68	25	11.15	13.43
06-Oct-22	154	78	29	12.71	14.32
07-Oct-22	146	74	27	13.5	15.62
12-Oct-22	142	72	26	15.31	20.2
13-Oct-22	128	65	24	11.9	21.5
21-Oct-22	142	71	26	11.66	13.06
22-Oct-22	134	65	24	16.55	20.13
28-Oct-22	128	62	22	15.03	19.47
29-Oct-22	132	64	23	13.84	16.3
03-Nov-22	140	69	25	16.25	18.21
04-Nov-22	134	63	22	14.25	17.52
11-Nov-22	127	56	18	13.65	16.23
12-Nov-22	131	60	20	12.56	13.56
18-Nov-22	135	66	24	10.46	16.4
19-Nov-22	151	75	28	13.46	17.81
25-Nov-22	143	70	26	10.93	13.48
26-Nov-22	155	79	29	11.84	11.77
28-Nov-22	120	68	27	13.03	17.83
29-Nov-22	135	74	30	12.01	14.88
05-Dec-22	135	63	22	13.56	15.57
06-Dec-22	132	59	20	13.18	15.55
12-Dec-22	127	56	18	15.09	20.31
13-Dec-22	148	71	26	15.05	27.74
19-Dec-22	140	64	23	13.22	11.8
20-Dec-22	147	70	25	12.47	19.9
26-Dec-22	158	79	29	13.86	18.67
27-Dec-22	153	74	27	11.03	13.85
04-Jan-23	137	64	23	16.36	21.59
05-Jan-23	150	72	26	14.63	26.45
11-Jan-23	135	60	20	14.82	17.24
12-Jan-23	157	76	28	17.24	18.02
18-Jan-23	135	61	20	11.28	16.47
19-Jan-23	156	76	28	10.66	17.84
27-Jan-23	150	72	26	11.47	18.67
28-Jan-23	138	63	22	13.61	19.61
01-Feb-23	157	78	29	15.49	19.63
02-Feb-23	140	64	23	15.89	14.76
06-Feb-23	156	76	28	13.63	17.25
07-Feb-23	135	59	20	13	20.53
12-Feb-23	135	60	20	15.42	18.47
13-Feb-23	163	82	30	12.26	18.09
22-Feb-23	143	66	24	11.53	11.49
23-Feb-23	136	59	20	13.11	20.23
27-Feb-23	149	68	26	11.53	16.03
28-Feb-23	138	63	23	16.93	18.47
03-Mar-23	156	83	28	16.15	16.29
04-Mar-23	142	27	23	14.53	15.11
10-Mar-23	149	70	26	17.48	21.05
11-Mar-23	137	61	22	14.64	24.68
16-Mar-23	147	68	25	11.65	21.04
17-Mar-23	168	76	33	15.06	19.75
22-Mar-23	162	68	30	19.5	16.77

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JOB NO.750001

23-Mar-23	155	63	28	20.32	13.4
28-Mar-23	153	63	27	16.37	20.19
29-Mar-23	137	63	21	21.14	17.64
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	168	83	33	21.14	31.42
Minimum	120	27	16	8.17	11.21
Average	141.73	67.77	24.93	13.58	18.23
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

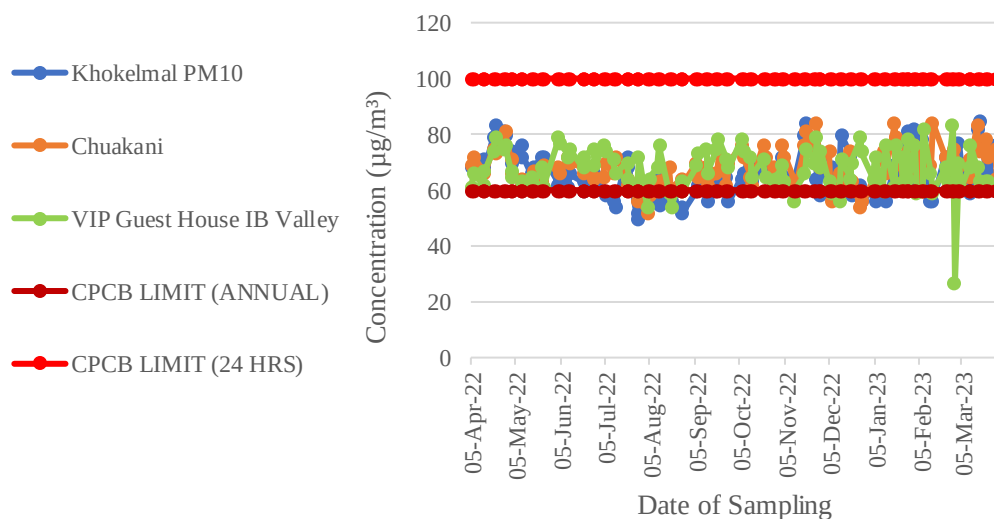


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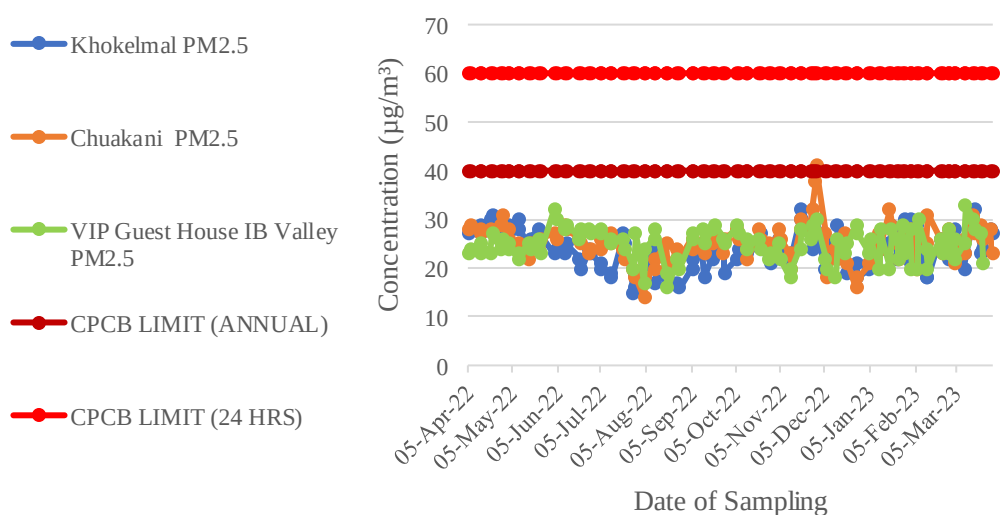
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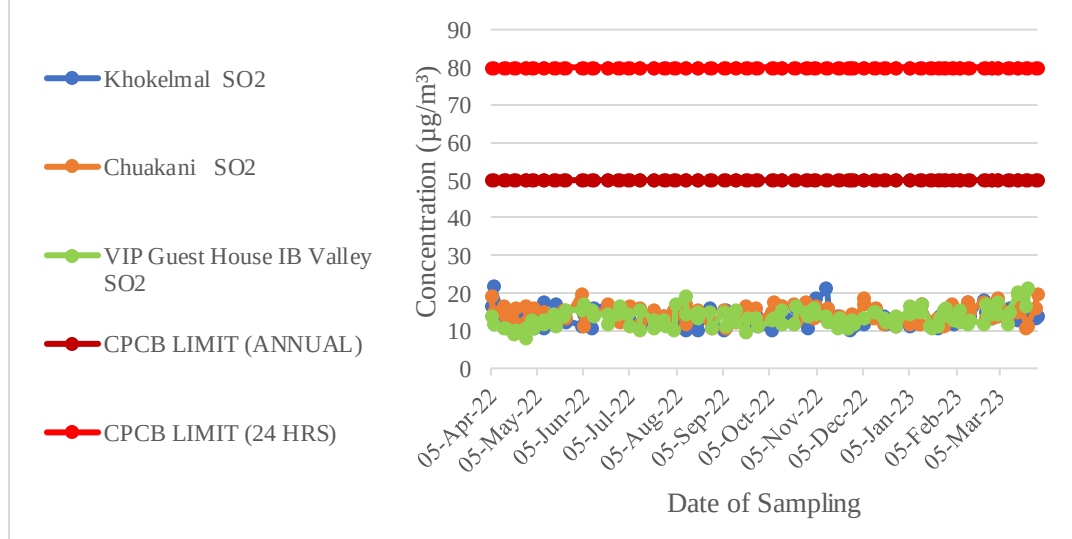
Graph Showing PM₁₀ for Lajkura OCP



Graph Showing PM_{2.5} for Lajkura OCP



Graph Showing SO_x Lajkura OCP



Graph Showing NO_x for Samleswari OCP

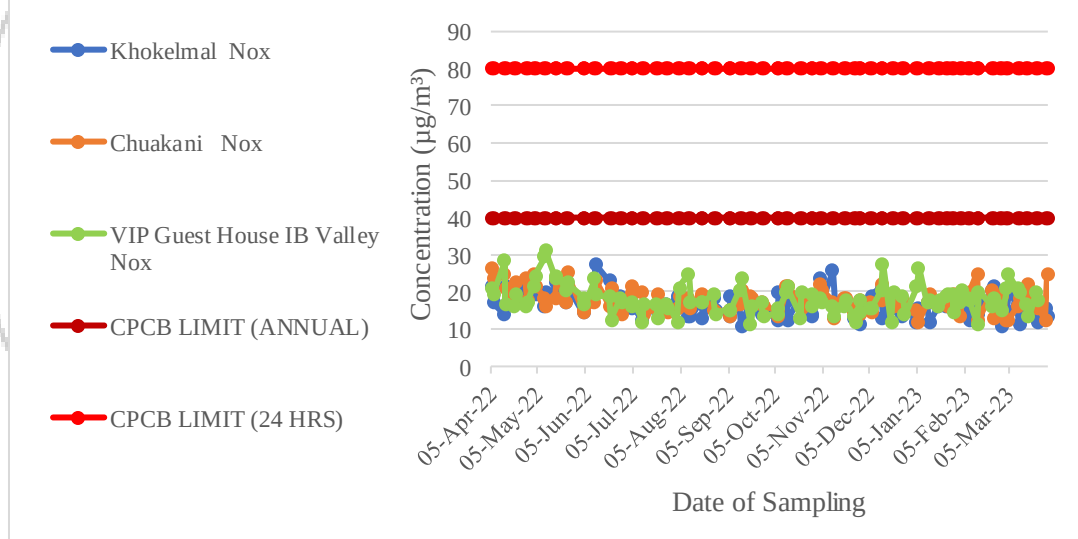


Table: 18

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring Station:** Near Lilari Nallah Pump House

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	153	79	40	14.95	25.66
26-Apr-22	172	105	43	16.45	25.09
06-May-22	184	92	43	19.94	23.24
20-May-22	154	81	34	13.22	18.47
03-Jun-22	176	88	40	16.19	23.76
18-Jun-22	161	80	36	12.6	18.57
04-Jul-22	176	87	38	11.31	15.2
19-Jul-22	178	85	37	14.62	15.37
04-Aug-22	165	85	34	10.14	11.1
18-Aug-22	186	92	41	12.52	15
03-Sep-22	186	92	40	15.93	13.59
19-Sep-22	190	95	42	10.74	11.76
03-Oct-22	168	85	34	16.2	13.46
24-Oct-22	196	96	44	13.21	13.88
03-Nov-22	162	81	31	10.87	12.51
18-Nov-22	188	96	40	12.01	17.15
03-Dec-22	148	72	26	17.34	14.69
24-Dec-22	166	84	32	11.27	16.39
04-Jan-23	166	98	32	12.86	13.49
18-Jan-23	170	88	34	14.67	19.67
10-Feb-23	177	91	36	14.89	15.75
17-Feb-23	167	86	33	10.99	15.39
03-Mar-23	175	91	35	15.8	11.42
30-Mar-23	185	96	40	19.56	12.2
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	196	105	44	19.94	25.66
Minimum	148	72	26	10.14	11.1
Average	172.9	88.5	36.9	14.1	16.4
Standard 24 hr	500	250		120	120

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Table: 19

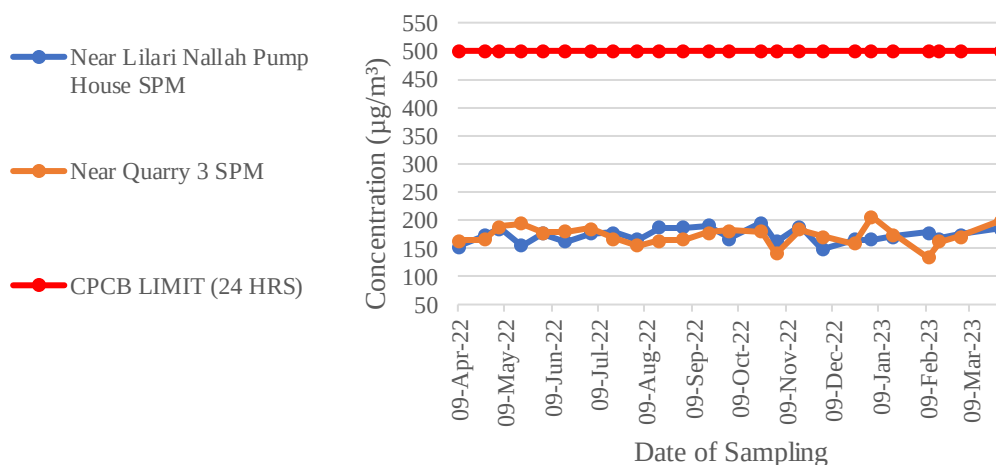
Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring Station:** Near Quarry 3

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	163	84	41	10.36	24.24
20-Apr-22	165	99	44	18.15	26.07
06-May-22	188	94	44	10.88	24.1
20-May-22	194	108	47	15.52	19.56
04-Jun-22	178	90	41	16.54	25.36
18-Jun-22	180	104	45	14.03	17.69
05-Jul-22	184	96	43	14.84	17.94
19-Jul-22	168	83	33	11.85	15.98
04-Aug-22	154	76	29	12.69	17.06
19-Aug-22	164	82	32	11.58	14.52
03-Sep-22	166	84	34	13.06	17.07
20-Sep-22	177	86	36	14.33	19.27
03-Oct-22	182	92	39	11.73	14.47
18-Oct-22	180	88	39	13.69	18.11
04-Nov-22	140	70	25	20.06	15.88
19-Nov-22	183	88	37	14.06	20.1
03-Dec-22	170	85	33	13.18	16.58
24-Dec-22	158	78	29	13.66	19.88
04-Jan-23	206	108	48	12.41	13.68
18-Jan-23	175	90	35	16.32	22.08
10-Feb-23	133	58	19	13.99	21.07
20-Feb-23	162	81	30	15.29	12.13
13-Mar-23	170	88	34	12.84	14.27
30-Mar-23	199	107	46	18.19	13.34
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	206	108	48	20.06	26.07
Minimum	133	58	19	10.36	12.13
Average	172.5	88.3	36.8	14.1	18.4
Standard 24 hr	500	250		120	120

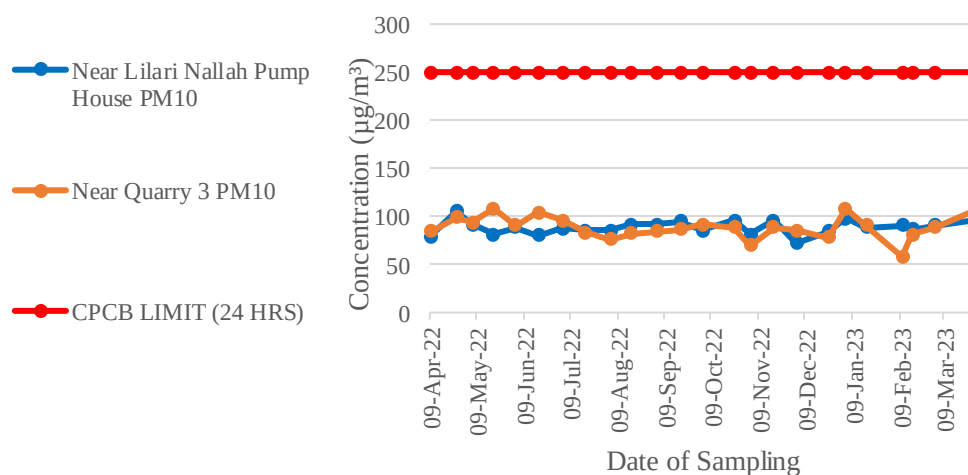
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JOB NO.750001

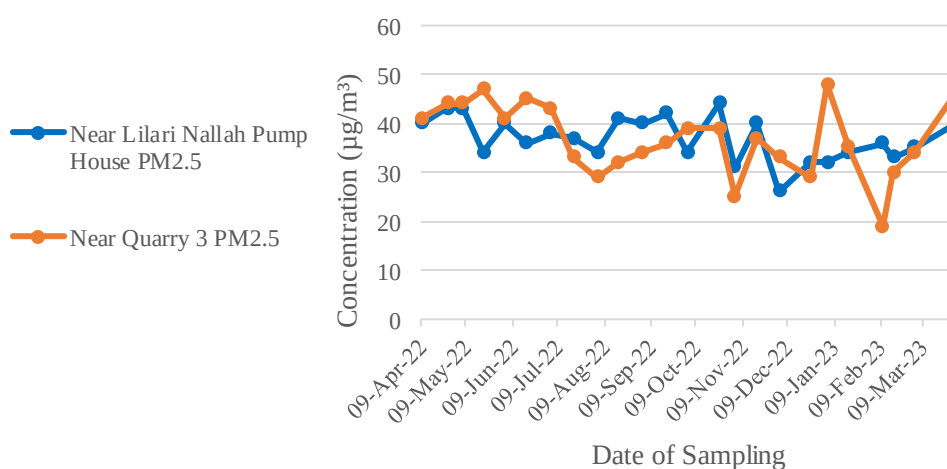
Graph Showing SPM for Lakhanpur OCP



Graph Showing PM₁₀ for Lakhanpur OCP



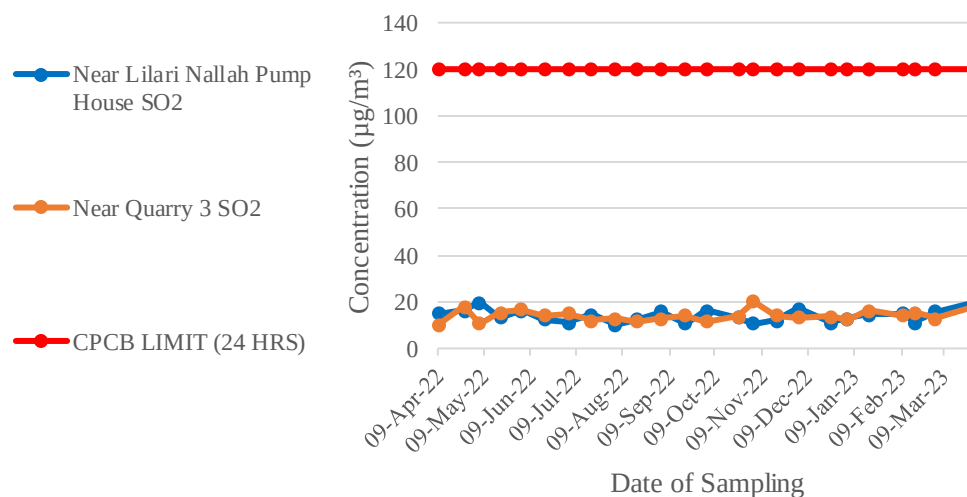
Graph Showing PM_{2.5} for Lakhanpur OCP



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Graph Showing SO₂ for Lakhanpur OCP



Graph Showing NO_x for Lakhanpur OCP

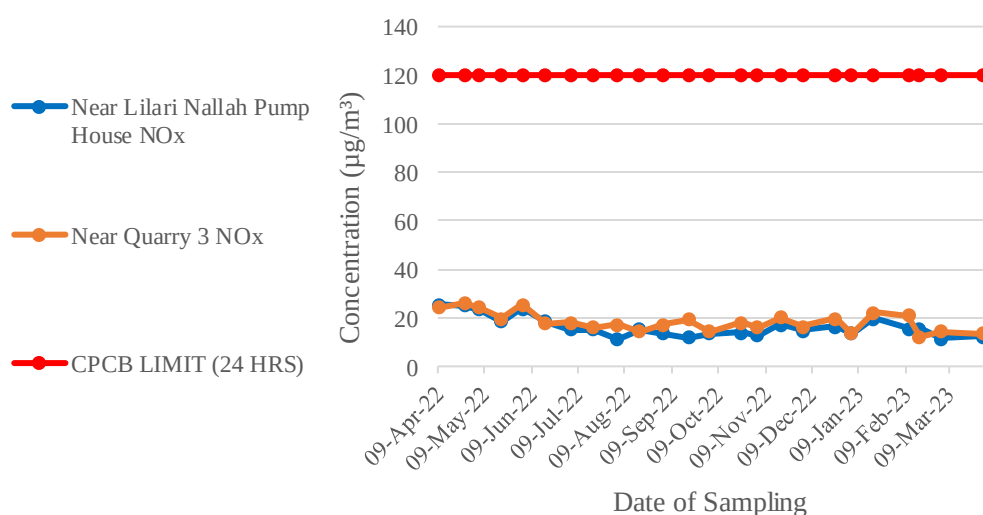


Table: 20

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring Station:** South of Quarry 6

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	139	64	26	14.7	23.69
06-Apr-22	135	63	25	12.84	25.42
13-Apr-22	140	61	24	11.59	23.46
14-Apr-22	142	66	25	14.06	26.78
20-Apr-22	139	77	28	16.08	23.08
21-Apr-22	135	72	25	10.08	16.38
27-Apr-22	137	75	26	12.05	18.38
28-Apr-22	136	74	27	10.36	19.21
02-May-22	128	56	20	11.28	16.24
03-May-22	130	58	21	12.28	27.48
09-May-22	134	60	23	13.69	21.95
10-May-22	132	59	22	13.31	21.59
16-May-22	145	75	28	15.44	22.26
17-May-22	142	71	27	12.56	21.23
23-May-22	136	65	25	13.52	17.52
24-May-22	132	62	24	15.55	24.23
01-Jun-22	140	65	25	17.51	18.67
02-Jun-22	142	66	26	11.91	23.29
08-Jun-22	133	63	23	14.16	15.41
09-Jun-22	136	64	24	16.34	14.92
16-Jun-22	156	74	30	11.69	12.99
17-Jun-22	146	70	28	14.39	16.92
24-Jun-22	140	67	26	17.25	19.35
25-Jun-22	150	72	29	15.08	19.64
01-Jul-22	146	74	28	12.11	13.66
02-Jul-22	140	69	26	13.76	16.13
08-Jul-22	134	64	24	16.84	20.06
09-Jul-22	136	66	25	12.79	17.56
18-Jul-22	142	72	27	10.93	12.15
19-Jul-22	146	74	28	15.96	18.29
25-Jul-22	156	79	30	12.61	13.73
26-Jul-22	140	68	26	15.85	16.36
01-Aug-22	160	79	30	13.76	19.27
02-Aug-22	142	70	26	15.45	17.37
08-Aug-22	138	68	25	17.85	20.57
09-Aug-22	143	76	29	10.2	12.65
16-Aug-22	154	78	29	10.52	16.55
17-Aug-22	148	74	28	12.52	14.52
24-Aug-22	133	62	22	16.32	20.52
25-Aug-22	135	65	24	11.22	14.52
01-Sep-22	135	67	25	14.73	16.25
02-Sep-22	142	71	26	13.36	21.49
09-Sep-22	132	62	22	16.5	13.42
10-Sep-22	134	64	24	14.76	16.07
16-Sep-22	145	73	27	15.7	21.99

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17-Sep-22	139	68	25	15.25	17.15
23-Sep-22	130	60	20	14.58	16.8
24-Sep-22	138	67	25	11.83	14.68
06-Oct-22	158	80	30	12.96	13.71
07-Oct-22	142	72	27	13.48	20.3
12-Oct-22	134	68	25	17.3	13.72
13-Oct-22	140	71	26	16.26	17.02
19-Oct-22	154	78	29	16.77	23.1
20-Oct-22	142	70	26	15.71	17.44
26-Oct-22	132	64	24	16.82	19.18
27-Oct-22	138	62	22	10.49	12.49
01-Nov-22	146	74	27	21.89	23.22
02-Nov-22	144	71	26	12.03	22.1
09-Nov-22	136	65	24	11.94	16.2
10-Nov-22	132	62	22	17.24	21.67
16-Nov-22	142	70	26	14.33	20.93
17-Nov-22	134	65	24	11.5	15.63
23-Nov-22	158	82	30	13.32	17.38
24-Nov-22	162	84	32	13.61	14.8
28-Nov-22	126	74	30	13.32	18.71
29-Nov-22	158	88	38	11.18	15.67
01-Dec-22	135	60	20	15.32	16.52
02-Dec-22	148	73	26	11.48	17.63
09-Dec-22	156	77	28	15.61	12.62
10-Dec-22	136	63	22	16.26	17.35
16-Dec-22	145	69	25	13.79	20.5
17-Dec-22	164	82	31	13.14	18.17
23-Dec-22	155	76	28	12.78	16.98
24-Dec-22	137	62	21	12.46	13.79
02-Jan-23	143	66	24	15.25	14.91
03-Jan-23	150	71	26	13.23	19.92
09-Jan-23	135	60	20	15.7	12.45
10-Jan-23	138	64	22	13.71	14.35
16-Jan-23	154	74	27	11.24	16.34
17-Jan-23	143	66	24	12.54	18.67
23-Jan-23	139	63	22	13.59	18.75
24-Jan-23	156	76	28	15.21	19.68
29-Jan-23	137	64	22	14	18.49
30-Jan-23	143	67	24	13.85	19.67
01-Feb-23	144	66	24	16.35	12.97
02-Feb-23	151	71	26	18.43	19.28
06-Feb-23	141	63	23	14.26	21.47
07-Feb-23	131	55	18	15.76	17.5
11-Feb-23	136	62	21	13.3	12.74
12-Feb-23	139	64	23	16.65	20.71
22-Feb-23	151	70	26	15.13	18.84
23-Feb-23	146	69	25	15.57	18.77
27-Feb-23	141	64	23	17.31	10.8
28-Feb-23	157	79	29	18.07	13.25
03-Mar-23	132	57	19	15.9	14.99
04-Mar-23	164	82	30	14.89	20.62
10-Mar-23	168	85	33	17.93	12.21
11-Mar-23	166	84	31	16.98	15.85
16-Mar-23	168	88	34	11.45	16.04

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17-Mar-23	164	84	32	13.03	16.49
22-Mar-23	162	81	30	11.34	19.34
23-Mar-23	167	86	33	14.67	15.05
28-Mar-23	155	76	28	11.85	13.57
29-Mar-23	172	88	34	15.81	21.26
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	172	88	38	21.89	27.48
Minimum	126	55	18	10.08	10.8
Average	143.8	70.0	25.9	14.2	17.8
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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JOB NO.750001

Table: 21

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring Station:** South West of Quarry 5

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	143	64	23	12.79	29.94
06-Apr-22	149	61	24	16.54	16.12
13-Apr-22	141	66	25	18.89	21.69
14-Apr-22	143	65	24	14.13	19.3
20-Apr-22	144	83	30	17.36	26.31
21-Apr-22	142	80	29	14.06	19.56
27-Apr-22	148	86	30	15.36	25.26
28-Apr-22	141	79	29	9.01	16.32
02-May-22	138	64	26	13.86	26.78
03-May-22	140	66	27	14.73	21.29
09-May-22	136	62	25	17.06	16.93
10-May-22	143	70	28	12.95	19.77
16-May-22	144	72	28	10.05	17.32
17-May-22	148	76	29	11.52	22.52
23-May-22	152	80	30	13.52	24.23
24-May-22	141	66	27	15.05	17.45
01-Jun-22	145	71	28	11.26	16.62
02-Jun-22	139	67	25	15.54	20.86
08-Jun-22	136	63	24	10.62	18.91
09-Jun-22	143	68	26	15.18	25.01
16-Jun-22	130	61	22	16.09	16.56
17-Jun-22	134	65	24	13.24	16.7
24-Jun-22	136	66	25	15.5	19.46
25-Jun-22	132	63	23	16.78	16.73
01-Jul-22	142	73	27	11.65	15.23
02-Jul-22	140	70	26	15.07	18.66
08-Jul-22	146	75	28	14.06	17.45
09-Jul-22	137	67	25	13.97	14.85
18-Jul-22	120	49	15	13.85	15.88
19-Jul-22	126	56	18	11.39	13.83
25-Jul-22	130	59	20	14.09	17.76
26-Jul-22	124	53	16	13.22	16.54
01-Aug-22	137	67	25	12.54	16.11
02-Aug-22	148	74	28	12.61	13.34
08-Aug-22	145	72	27	13.55	19.42
09-Aug-22	135	65	24	14.75	15.55
16-Aug-22	146	75	28	15.33	18.52
17-Aug-22	142	71	26	10.25	16.33
24-Aug-22	153	77	29	12.2	15.2
25-Aug-22	161	80	30	11.2	17.52
01-Sep-22	140	71	26	12	19.3
02-Sep-22	148	74	28	15.42	17.91
09-Sep-22	153	78	29	13.47	13.41
10-Sep-22	144	72	27	12.57	14.52
16-Sep-22	131	61	21	14.55	18.7

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17-Sep-22	142	71	26	12.67	13.4
23-Sep-22	134	64	24	12.38	17.73
24-Sep-22	132	62	23	15.79	16.64
06-Oct-22	132	61	22	12.79	19.27
07-Oct-22	135	64	24	15.36	17.05
12-Oct-22	138	68	25	13.89	13.3
13-Oct-22	148	76	28	13.99	15.42
19-Oct-22	130	63	23	15.6	19.79
20-Oct-22	144	74	27	15.1	15.65
26-Oct-22	123	62	22	14.79	20.44
27-Oct-22	126	60	20	15.88	16.61
01-Nov-22	130	60	20	18.46	25.85
02-Nov-22	147	74	27	17.5	26.99
09-Nov-22	141	69	25	22.3	14.22
10-Nov-22	128	57	19	13.69	15.51
16-Nov-22	145	74	27	13.94	18.73
17-Nov-22	160	82	30	14.77	13.84
23-Nov-22	162	84	31	11.5	15.68
24-Nov-22	148	76	28	11.13	16.67
28-Nov-22	171	78	39	11.11	18.73
29-Nov-22	159	72	38	13.41	15.33
01-Dec-22	132	58	19	12.25	18.82
02-Dec-22	155	76	28	16.13	18.26
09-Dec-22	162	82	30	15.46	15.09
10-Dec-22	146	71	26	15.68	17.63
16-Dec-22	130	56	18	13.72	18.77
17-Dec-22	142	66	24	14.55	13.88
23-Dec-22	157	77	29	13.05	18.11
24-Dec-22	151	74	27	10.18	15.52
02-Jan-23	156	76	28	12.38	18.64
03-Jan-23	136	62	21	14.12	15.68
09-Jan-23	144	66	24	12.64	12.11
10-Jan-23	150	72	26	15.12	16.67
16-Jan-23	153	73	27	12.54	18.76
17-Jan-23	164	83	32	10.26	16.22
23-Jan-23	162	80	30	13.78	19.54
24-Jan-23	155	75	28	14.36	19.34
29-Jan-23	150	71	26	11.24	16.47
30-Jan-23	140	63	23	12.44	18.27
01-Feb-23	163	83	32	14.71	16.22
02-Feb-23	150	72	26	17.74	13.01
06-Feb-23	128	54	17	13.53	17.12
07-Feb-23	143	65	24	16.33	18.13
13-Feb-23	137	62	22	15.6	14.18
14-Feb-23	142	69	23	15.59	13.98
22-Feb-23	149	72	26	10.55	14.77
23-Feb-23	154	74	27	13.86	17.54
27-Feb-23	158	77	29	14.6	24.91
28-Feb-23	145	67	25	13.13	13.46
03-Mar-23	154	74	27	13.25	18.35
04-Mar-23	142	64	23	15.86	15.78
10-Mar-23	146	67	25	13.62	11.44
11-Mar-23	158	78	29	13.51	13.31
16-Mar-23	152	73	27	14.98	18.21

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17-Mar-23	162	81	30	12.14	17.98
22-Mar-23	143	66	24	13.55	20.91
23-Mar-23	202	106	46	19.02	18.37
28-Mar-23	182	93	38	10.33	18.81
29-Mar-23	189	98	42	15.79	12.53
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	202	106	46	22.3	29.94
Minimum	120	49	15	9.01	11.44
Average	145.1	70.5	26.3	14.0	17.7
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

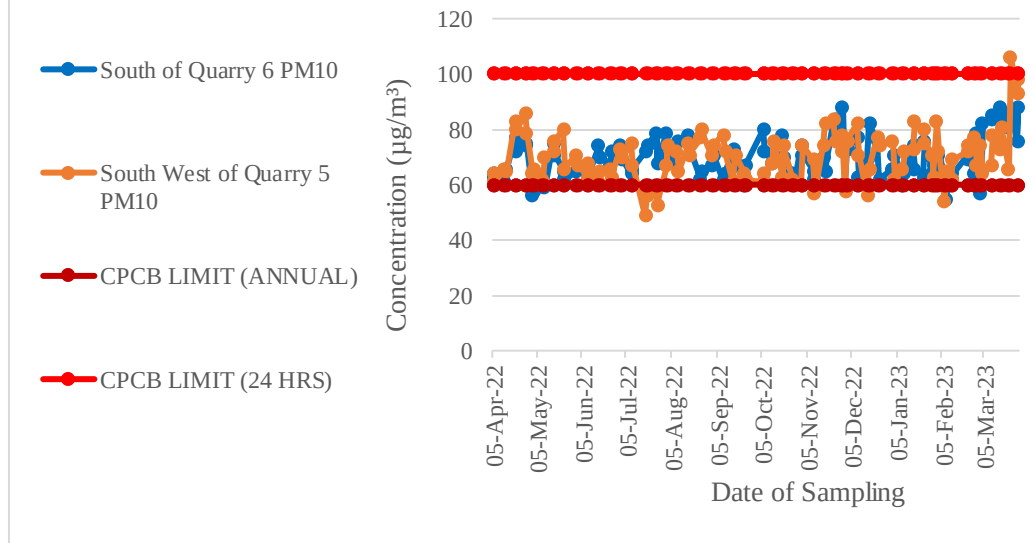


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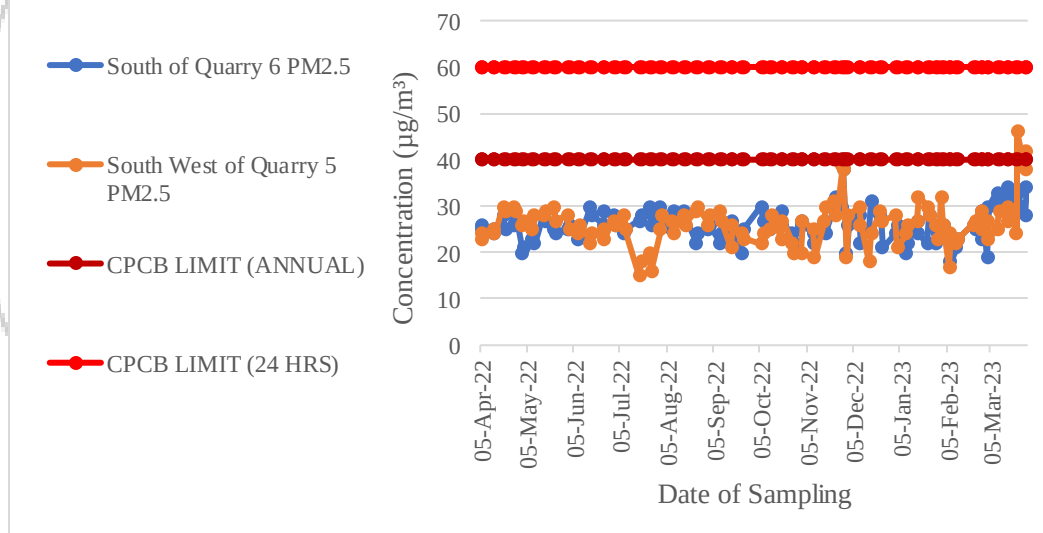
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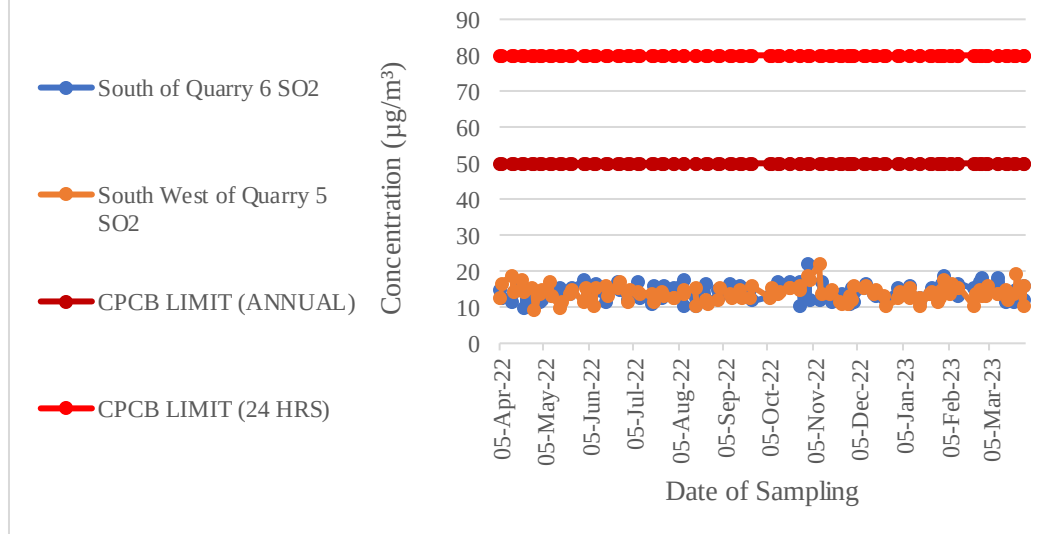
Graph Showing PM₁₀ for Lakhanpur OCP



Graph Showing PM_{2.5} for Lakhanpur OCP



Graph Showing SO_x for Lakhanpur OCP



Graph Showing NO_x for Lakhanpur OCP

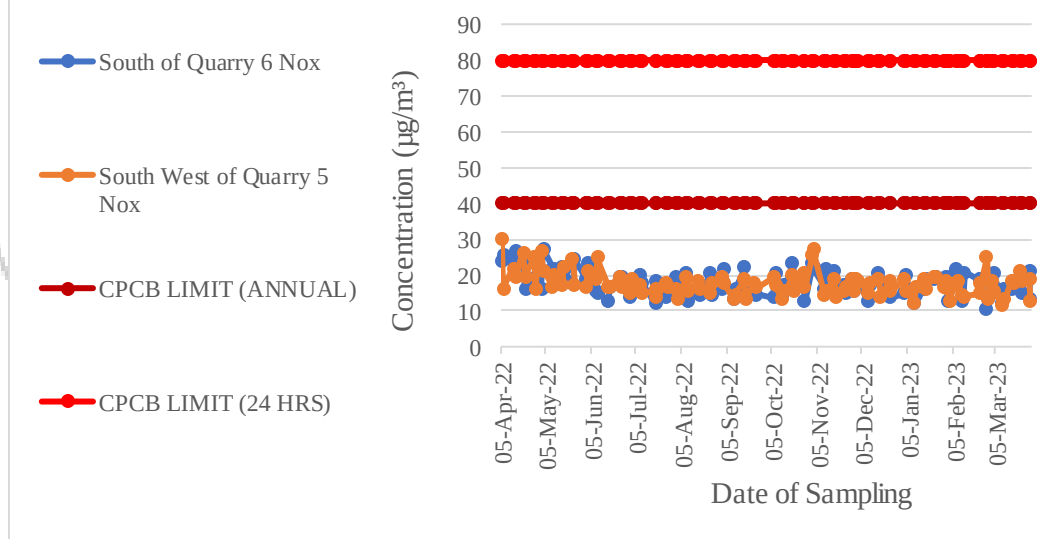


Table: 22

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring Station:** Near Central Workshop

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	167	52	41	18.14	23.15
27-Apr-22	176	108	48	18.26	26.78
07-May-22	180	88	40	14.78	26.11
21-May-22	188	98	43	11.23	22.52
04-Jun-22	172	84	38	11.69	16.8
18-Jun-22	169	92	41	13.42	15.22
15-Jul-22	170	86	36	11.96	18.07
16-Jul-22	134	65	24	14.07	16.86
01-Aug-22	170	88	37	14.74	17.34
20-Aug-22	146	74	28	16.2	19.23
03-Sep-22	141	69	26	13.35	17.89
23-Sep-22	148	76	28	12.49	14.7
03-Oct-22	166	84	33	12.49	15.81
19-Oct-22	172	85	32	13.66	15.81
05-Nov-22	174	85	35	10.64	14.03
19-Nov-22	185	94	39	13.28	14.92
03-Dec-22	162	82	30	14.15	18.26
26-Dec-22	172	87	34	13.77	15.75
05-Jan-23	172	88	34	13.03	16.49
19-Jan-23	192	98	43	15.21	21.84
10-Feb-23	164	84	32	14.12	17.9
20-Feb-23	165	85	32	16.57	22.29
07-Mar-23	196	105	44	12.46	14.25
18-Mar-23	191	98	42	12.59	16.31
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	196	108	48	18.26	26.78
Minimum	134	52	24	10.64	14.03
Average	169.7	85.6	35.8	13.8	18.3
Standard 24 hr	500	250		120	120

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Table: 23

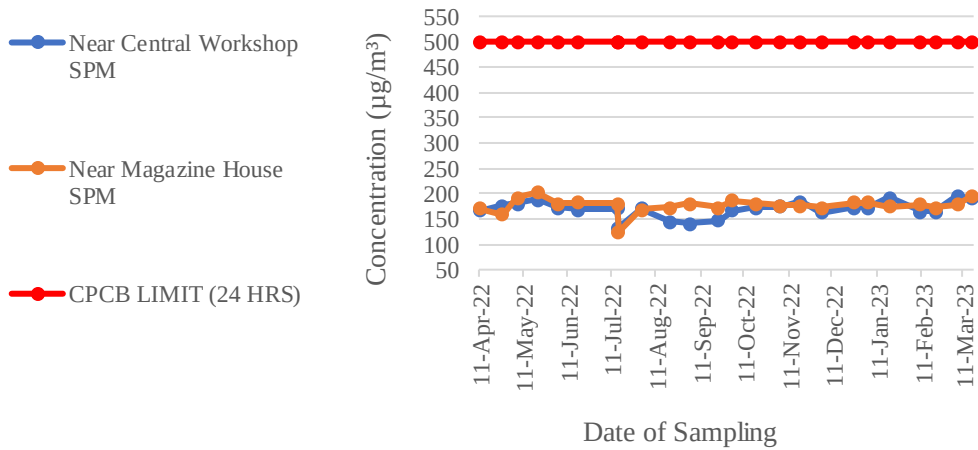
Area: Lakhanpur**Project:** Belpahar OCP**Monitoring Station:** Near Magazine House

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	171	84	46	12.82	25.95
26-Apr-22	159	98	43	19.32	27.32
07-May-22	192	93	44	11.71	21.54
21-May-22	202	110	48	13.52	17.22
04-Jun-22	180	92	42	16.04	25.96
18-Jun-22	182	103	45	12.17	15.03
05-Jul-22	180	89	40	10.82	16.02
16-Jul-22	125	55	18	11.07	13.78
04-Aug-22	168	87	36	13.45	18.66
19-Aug-22	172	86	35	10.2	15.2
03-Sep-22	180	88	37	15.09	11.27
20-Sep-22	172	84	35	9.67	13.42
03-Oct-22	186	92	40	16.89	12.38
18-Oct-22	180	88	38	12.53	16.67
04-Nov-22	176	87	37	13.54	15.61
19-Nov-22	177	87	36	14.33	12.77
03-Dec-22	173	89	35	14.94	11.17
26-Dec-22	182	93	38	16.43	14.91
05-Jan-23	182	93	38	14.8	10.85
19-Jan-23	175	91	35	16.34	23.08
10-Feb-23	178	92	36	10.3	13
20-Feb-23	172	88	34	15.55	17.81
06-Mar-23	179	93	37	16.85	10.55
18-Mar-23	196	104	45	9.87	13.13
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	202	110	48	19.32	27.32
Minimum	125	55	18	9.67	10.55
Average	176.6	90.3	38.3	13.7	16.4
Standard 24 hr	500	250		120	120

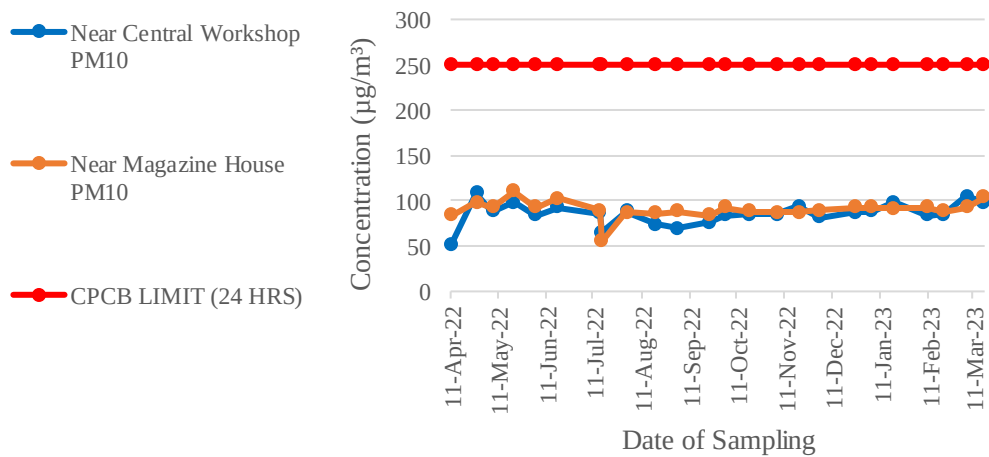
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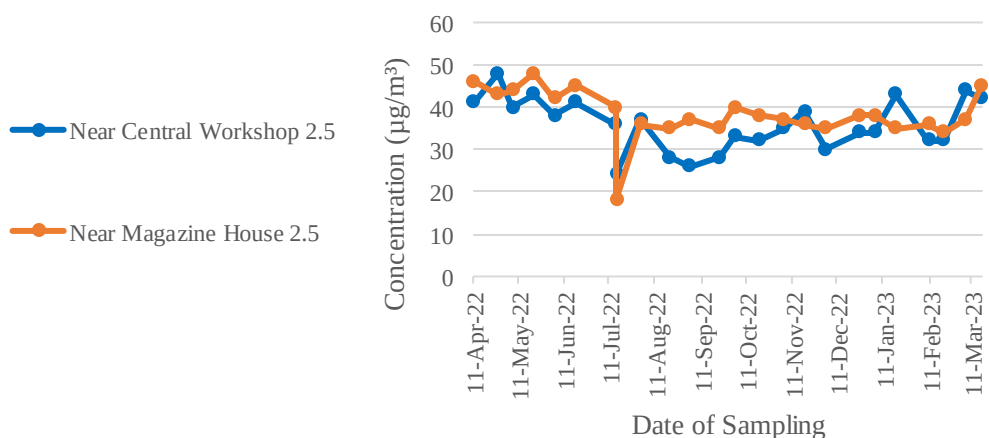
Graph Showing SPM for Belpahar OCP



Graph Showing PM₁₀ for Belpahar OCP



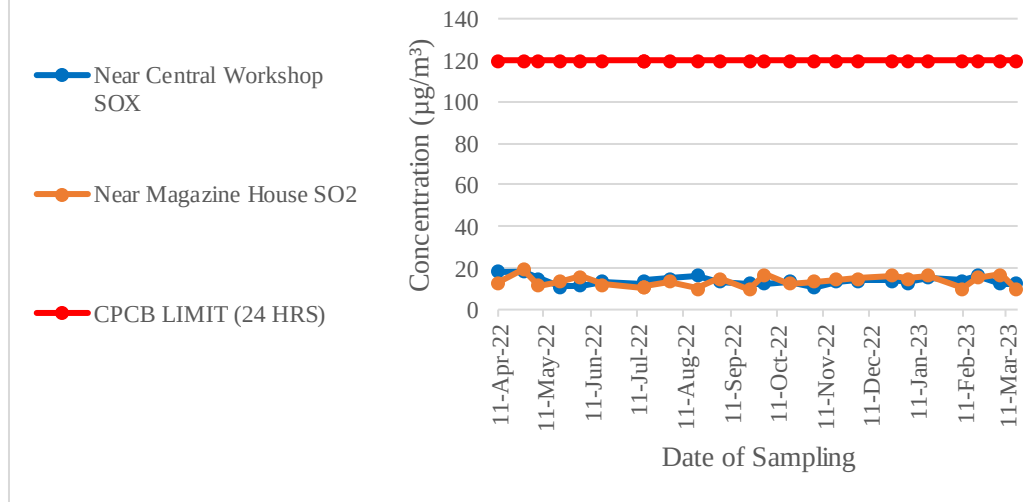
Graph Showing PM_{2.5} for Belpahar OCP



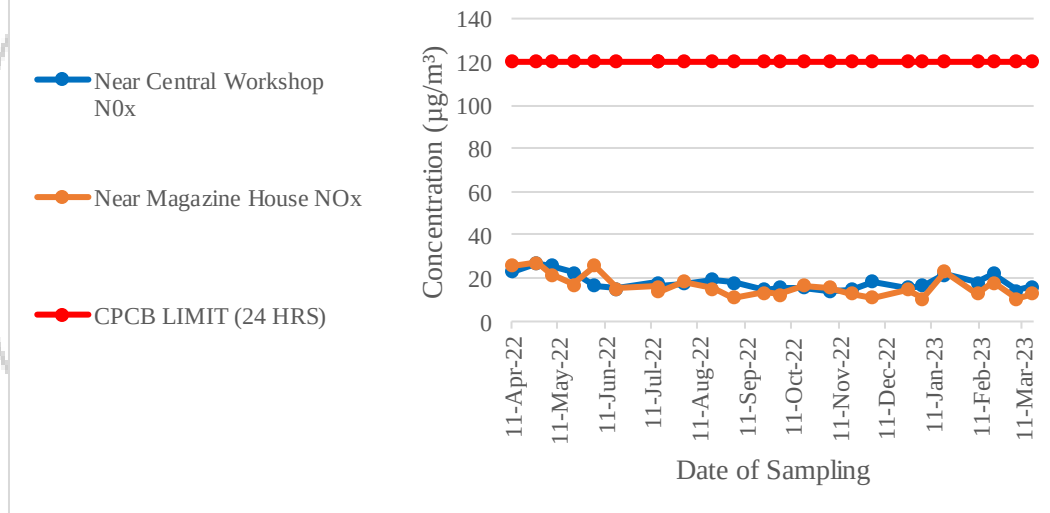
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Graph Showing SO_x for Belpahar OCP



Graph Showing NO_x for Belpahar OCP



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Table: 24

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring Station:** East of the Mine

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	137	64	21	12.15	25.35
08-Apr-22	145	61	19	11.54	21.17
15-Apr-22	142	62	21	14.86	23.19
16-Apr-22	136	65	22	20.94	27.57
22-Apr-22	137	72	25	12.31	18.34
23-Apr-22	140	75	26	11.48	18.26
29-Apr-22	133	71	25	10.98	18.21
30-Apr-22	136	70	24	13.25	17.64
03-May-22	132	62	22	12.98	21.9
04-May-22	136	65	24	13.46	15.98
11-May-22	133	63	23	12.31	21.92
12-May-22	137	68	25	15.1	25.62
18-May-22	131	64	24	15.23	23.23
19-May-22	129	62	23	14.23	15.98
25-May-22	128	61	22	17.52	28.23
26-May-22	126	58	20	17.52	25.23
01-Jun-22	145	70	28	11.81	18.18
02-Jun-22	143	66	26	17.76	24.33
08-Jun-22	136	63	24	13.75	18.55
09-Jun-22	140	65	25	15.91	27.57
16-Jun-22	147	71	28	15.8	16.31
17-Jun-22	151	73	29	10.99	12.6
24-Jun-22	143	69	27	13.77	17.37
25-Jun-22	138	65	25	11.73	14.54
01-Jul-22	156	78	30	17.53	18.94
02-Jul-22	148	75	28	15.03	22.18
08-Jul-22	141	70	26	12.98	19.96
09-Jul-22	144	72	27	11.74	13.97
18-Jul-22	186	92	42	13.05	15.39
19-Jul-22	190	96	46	10.73	12.3
25-Jul-22	152	76	29	14.31	17.27
26-Jul-22	144	72	27	11.13	13.14
01-Aug-22	154	77	29	12.12	13.41
02-Aug-22	140	70	26	15.47	19.94
08-Aug-22	133	64	23	12.73	20.45
09-Aug-22	141	69	26	17.02	18.86
16-Aug-22	158	80	30	10.2	15.2
17-Aug-22	156	77	29	12.52	17.55
24-Aug-22	144	72	27	10.22	15.23
25-Aug-22	139	68	25	13.2	16.23
01-Sep-22	138	66	25	16.01	18.6
02-Sep-22	134	63	24	18.2	17.05
09-Sep-22	140	71	26	11.34	15.25
10-Sep-22	133	62	23	13.32	17.82
16-Sep-22	145	72	27	11.46	12.69

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17-Sep-22	132	60	22	13.98	18.01
23-Sep-22	138	67	25	11.83	19
24-Sep-22	135	64	23	16.09	17.83
06-Oct-22	147	76	28	15.77	17.51
07-Oct-22	141	72	26	15.01	13.64
13-Oct-22	133	65	24	13.05	16.47
14-Oct-22	131	61	21	14.07	17.84
19-Oct-22	134	66	24	15.14	19.2
20-Oct-22	154	77	29	13.04	14.01
26-Oct-22	144	70	26	10.63	16.37
27-Oct-22	126	61	21	17.19	18.97
01-Nov-22	133	62	22	13.02	16.23
02-Nov-22	140	68	25	18.92	20.42
09-Nov-22	154	78	29	15.18	16.26
10-Nov-22	160	80	30	14.38	19.4
16-Nov-22	132	62	22	12.45	13.23
17-Nov-22	140	68	25	14.85	18.71
23-Nov-22	145	74	27	11.62	18.28
24-Nov-22	136	66	24	16.37	17.25
28-Nov-22	128	58	28	13.11	12.17
29-Nov-22	152	62	30	14.67	13.67
01-Dec-22	159	78	29	13.75	15.57
02-Dec-22	148	72	26	20.12	18.65
09-Dec-22	150	74	27	11.4	14.67
10-Dec-22	135	63	22	14.05	18.17
16-Dec-22	133	58	19	12.7	13.74
17-Dec-22	143	65	24	13.76	17.65
23-Dec-22	135	60	20	11.87	19.01
24-Dec-22	130	55	18	16.04	17.21
02-Jan-23	140	65	23	11.29	14.98
03-Jan-23	151	72	26	16.13	17.79
06-Jan-23	156	75	28	14.98	15.05
07-Jan-23	143	66	24	18.36	19.2
09-Jan-23	132	56	23	14.06	16.63
10-Jan-23	144	67	24	15.27	19.64
16-Jan-23	156	77	28	11.04	16.28
17-Jan-23	145	68	25	13.55	17.94
23-Jan-23	143	66	24	11.48	17.47
24-Jan-23	141	64	23	10.56	17.56
01-Feb-23	158	78	29	12.98	17.23
02-Feb-23	138	62	22	19.01	18.15
06-Feb-23	149	71	26	11.27	19.74
07-Feb-23	144	66	24	12.14	16.48
13-Feb-23	156	76	28	14.31	20.52
14-Feb-23	154	74	27	14.66	14.71
22-Feb-23	192	94	43	16.27	19.79
23-Feb-23	138	63	22	12.9	19.1
27-Feb-23	135	60	20	16.87	26.03
28-Feb-23	156	76	28	16.13	15.59
03-Mar-23	162	82	30	16.94	16.85
04-Mar-23	149	74	26	18.84	15.12
10-Mar-23	136	62	21	10.22	11.62
11-Mar-23	140	65	23	15.57	17.89
16-Mar-23	136	62	21	12.68	13.98

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17-Mar-23	154	73	27	14.15	11.76
22-Mar-23	139	63	22	12.08	10.21
23-Mar-23	146	68	25	16.09	18.62
28-Mar-23	163	82	31	16.12	15.76
29-Mar-23	137	62	22	11.8	13.51
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	192	96	46	20.94	28.23
Minimum	126	55	18	10.2	10.21
Average	143.4	68.8	25.5	14.0	17.7
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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JOB NO.750001

Table: 25

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring Station:** South of the Mine

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	139	68	25	14.12	27.97
08-Apr-22	141	64	24	16.59	25.07
15-Apr-22	135	65	23	13.43	19.34
16-Apr-22	138	63	24	16.57	20.27
22-Apr-22	149	88	32	17.26	22.32
23-Apr-22	145	83	30	16.58	24.68
29-Apr-22	142	80	28	14.25	22.14
30-Apr-22	147	85	31	15.47	24.15
04-May-22	140	70	27	13.35	26.88
05-May-22	142	72	28	11.75	25.8
11-May-22	146	76	29	15.07	19.71
12-May-22	136	66	26	16.41	19.91
18-May-22	145	76	28	10.23	17.23
19-May-22	142	74	27	14.52	18.25
25-May-22	137	66	25	11.23	15.23
26-May-22	138	69	26	13.33	20.23
01-Jun-22	137	62	24	13.67	14.82
02-Jun-22	132	61	23	12.91	15.33
08-Jun-22	138	66	25	14.47	19.64
09-Jun-22	130	58	21	16.47	21.54
16-Jun-22	134	64	24	13.93	19.96
17-Jun-22	141	68	26	15.86	18.19
24-Jun-22	130	60	22	12.65	17.22
25-Jun-22	138	65	25	13.91	14.35
01-Jul-22	132	59	22	14.98	16.91
02-Jul-22	130	58	20	15.45	17.09
08-Jul-22	136	54	24	11.44	14.96
09-Jul-22	126	55	19	16.62	20.6
18-Jul-22	148	75	28	12.04	15.98
19-Jul-22	135	64	24	15.53	16.18
25-Jul-22	140	68	26	11.06	13.83
26-Jul-22	132	62	22	14.82	16.98
01-Aug-22	131	61	21	12.63	16.6
02-Aug-22	135	63	23	15.78	17.85
08-Aug-22	138	67	25	13.24	18.96
09-Aug-22	149	74	28	12.44	18.17
16-Aug-22	135	64	24	10.25	14.52
17-Aug-22	132	61	21	11.2	15.2
24-Aug-22	134	62	22	10.2	13.23
25-Aug-22	137	67	25	13.26	15.99
01-Sep-22	132	61	22	12.71	17.96
02-Sep-22	130	59	20	15.42	15.21
09-Sep-22	128	55	18	10.73	20.39
10-Sep-22	131	60	21	10.69	15.44
16-Sep-22	136	65	24	11.31	14.87

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17-Sep-22	132	62	22	15.01	16.98
23-Sep-22	130	59	20	12.66	18.14
24-Sep-22	133	63	23	11.25	16.43
06-Oct-22	130	60	20	11.21	14.88
07-Oct-22	134	63	23	15.71	15
12-Oct-22	144	74	27	12.45	21.79
13-Oct-22	135	66	24	13.28	18.02
18-Oct-22	144	74	27	13.21	16.66
19-Oct-22	140	68	25	15.2	17.09
26-Oct-22	130	63	22	12.37	17.2
27-Oct-22	136	66	24	13.28	18.6
01-Nov-22	126	56	18	17.59	22.11
02-Nov-22	132	62	22	18.11	14.2
09-Nov-22	136	66	24	16.13	23.66
10-Nov-22	143	72	26	13.68	23.61
16-Nov-22	164	84	32	14.12	15.58
17-Nov-22	154	77	29	12.16	18.17
23-Nov-22	144	73	27	10.21	15.66
24-Nov-22	140	69	25	14.38	15.35
28-Nov-22	161	74	29	11.18	13.12
29-Nov-22	150	76	34	11.22	15.78
01-Dec-22	143	66	24	12.07	16.34
02-Dec-22	133	62	21	16.89	16.44
09-Dec-22	138	65	23	10.39	18.54
10-Dec-22	151	75	27	13.05	18.06
16-Dec-22	136	62	21	14.54	16.33
17-Dec-22	132	59	19	13.06	19.88
23-Dec-22	133	66	24	13.13	20.49
24-Dec-22	154	76	28	14.99	16.29
02-Jan-23	138	63	22	16.54	18.37
03-Jan-23	131	56	22	13.64	19.63
06-Jan-23	146	69	25	16.99	18.27
07-Jan-23	136	60	20	12.51	20.07
09-Jan-23	138	64	22	16.54	16.62
10-Jan-23	146	68	25	10.35	20.11
16-Jan-23	147	72	26	13.67	18.27
17-Jan-23	155	76	28	12.93	17.26
23-Jan-23	151	71	26	14.72	19.86
24-Jan-23	157	77	28	10.38	16.42
29-Jan-23	164	82	31	11.49	17.24
30-Jan-23	155	74	27	13.54	18.62
01-Feb-23	146	68	25	14.55	13.51
02-Feb-23	137	62	21	14.57	23.71
06-Feb-23	135	59	20	12.06	17.53
07-Feb-23	140	64	23	14.59	18.9
13-Feb-23	155	75	28	12.1	22.1
14-Feb-23	133	58	19	13.07	22.05
22-Feb-23	150	70	26	10.31	18.77
23-Feb-23	159	78	29	14.71	11.67
27-Feb-23	153	74	27	10.98	14.61
28-Feb-23	158	78	29	14.74	19.1
03-Mar-23	157	78	29	14.06	16.94
04-Mar-23	144	66	24	17.92	15.18
10-Mar-23	138	63	22	12.67	15.96

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11-Mar-23	149	72	26	11.64	14.37
16-Mar-23	150	72	26	14.12	17.18
17-Mar-23	155	76	28	17.51	16.72
22-Mar-23	162	81	30	11.98	16.71
23-Mar-23	163	78	31	12.79	17.63
28-Mar-23	171	83	34	15.03	17.49
29-Mar-23	154	74	27	12.35	18.48
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	171	88	34	18.11	27.97
Minimum	126	54	18	10.2	11.67
Average	141.5	67.9	24.9	13.6	18.1
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

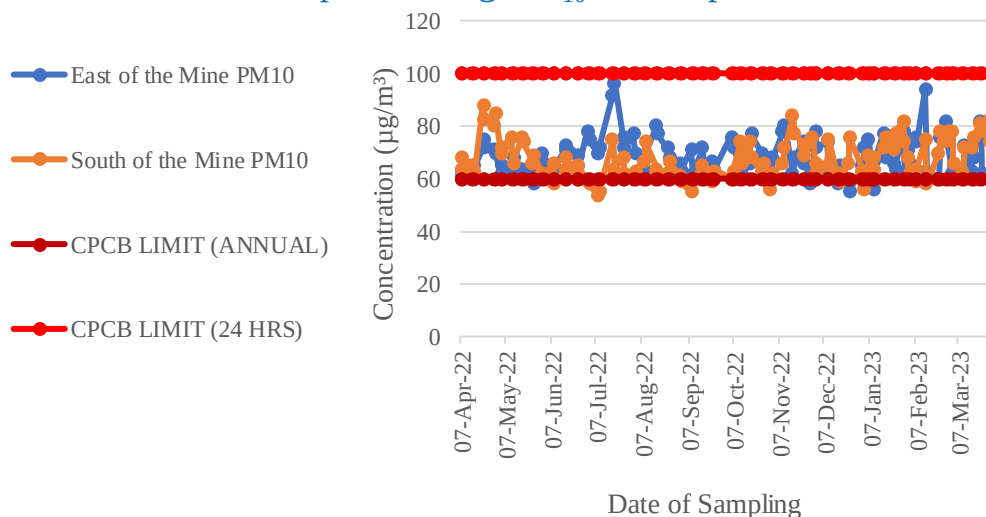


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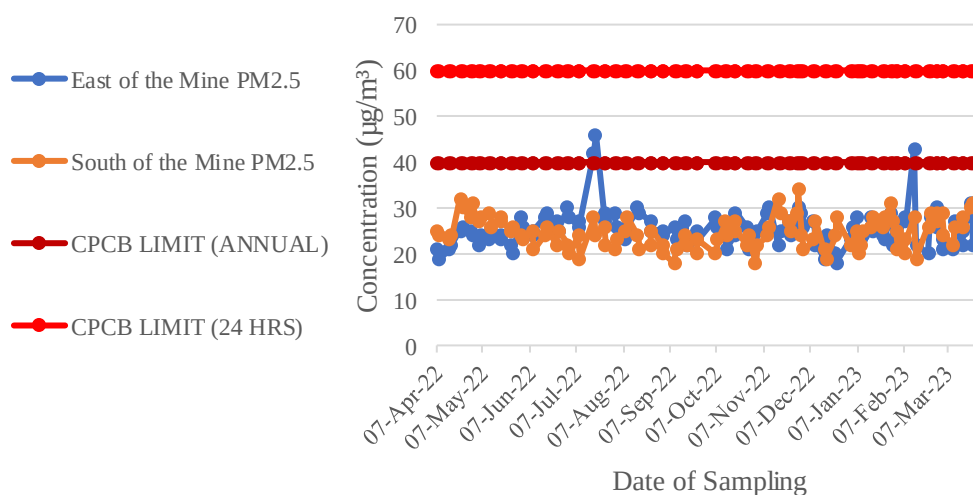
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JOB NO.750001

Graph Showing PM₁₀ for Belpahar OCP



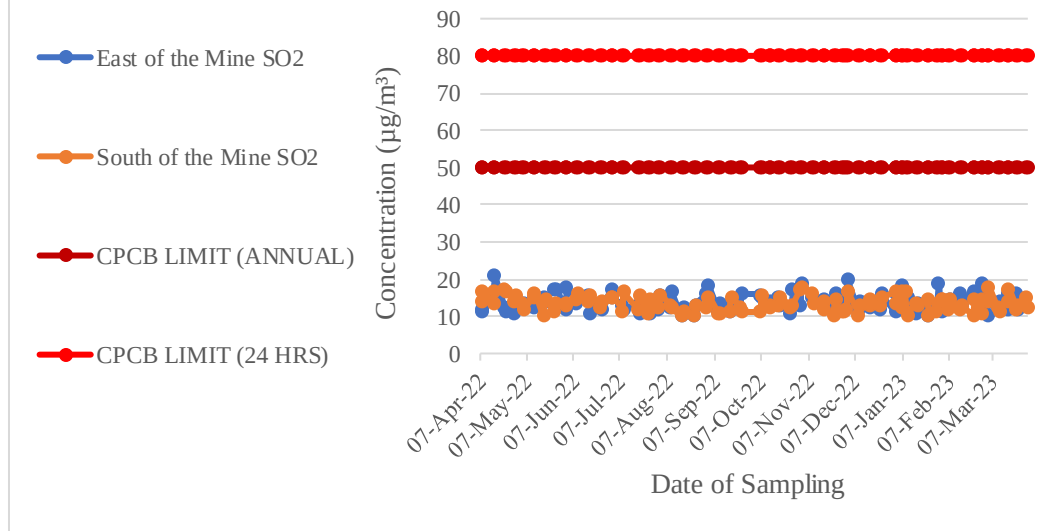
Graph Showing PM_{2.5} for Belpahar OCP



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Graph Showing SO_x for Belpahar OCP



Graph Showing NO_x for Belpahar OCP

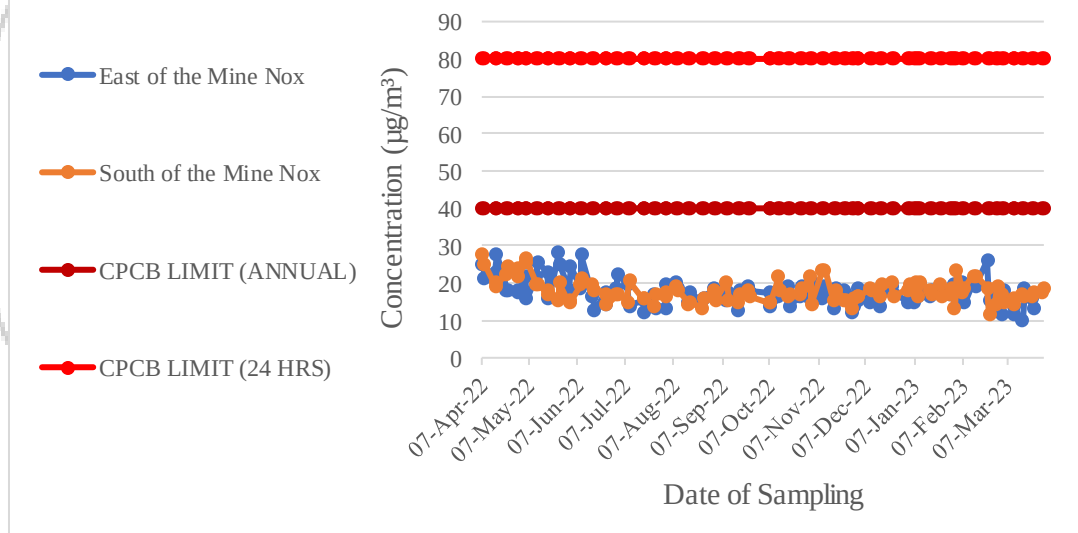


Table: 26

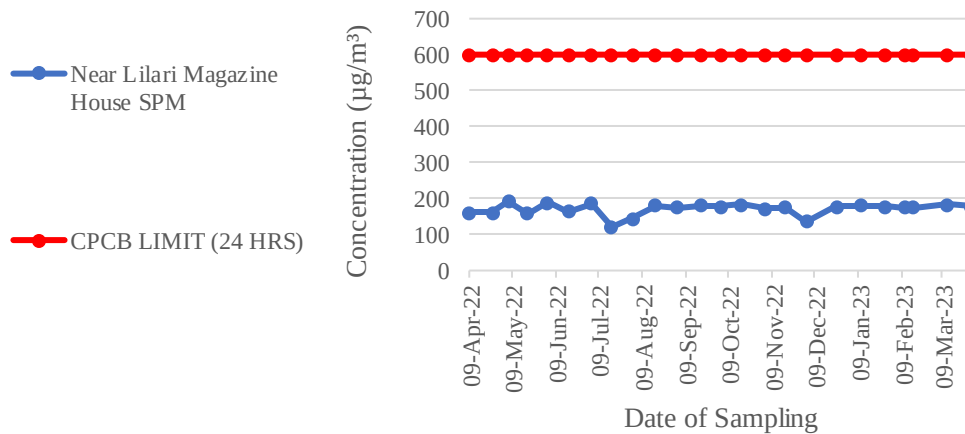
Area: Lakhanpur**Project:** Lilari OCP**Monitoring Station:** Near Lilari Magazine House

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	161	86	45	21.3	24.06
25-Apr-22	161	97	38	9.28	18.2
06-May-22	192	104	48	13.52	16.72
20-May-22	158	85	36	17.52	20.52
03-Jun-22	190	96	45	15.22	19.71
18-Jun-22	165	84	38	13.78	15.8
04-Jul-22	186	95	43	11.88	12.37
18-Jul-22	121	49	15	13.07	16.34
02-Aug-22	144	72	27	12.61	14.18
18-Aug-22	180	90	38	13.22	16.32
03-Sep-22	176	86	36	11.3	17.29
19-Sep-22	180	89	38	14.01	15.76
03-Oct-22	178	90	38	12.96	18.66
18-Oct-22	184	93	41	16.44	18.25
03-Nov-22	173	86	36	19.94	21.85
18-Nov-22	176	88	36	15.12	19.63
03-Dec-22	136	60	21	13.28	19.49
24-Dec-22	178	92	37	11.68	15.44
10-Jan-23	180	91	37	12.48	21.85
28-Jan-23	178	92	36	16.21	21.04
10-Feb-23	174	88	34	13.54	16.7
17-Feb-23	175	90	35	13.14	20.76
13-Mar-23	184	95	39	14.68	19.36
30-Mar-23	178	92	37	13.78	16.6
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	192	104	48	21.3	24.06
Minimum	121	49	15	9.28	12.37
Average	171.2	87.1	36.4	14.2	18.2
Standard 24 hr	600	300		120	120

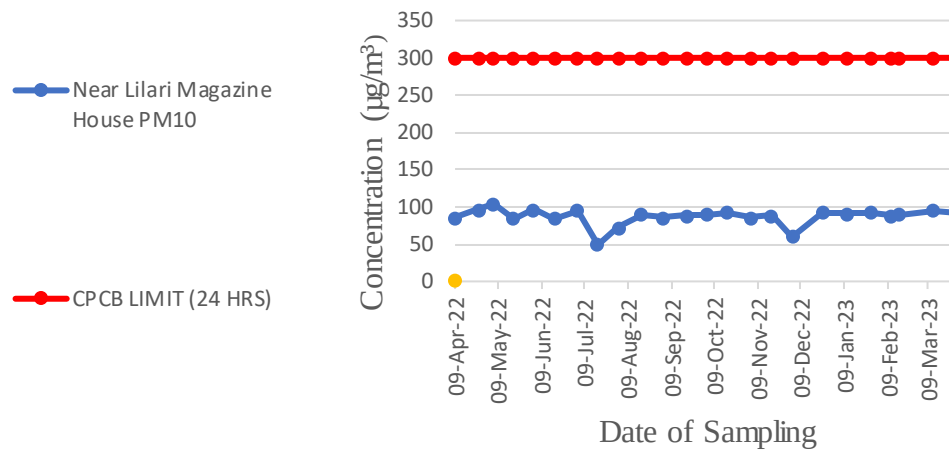
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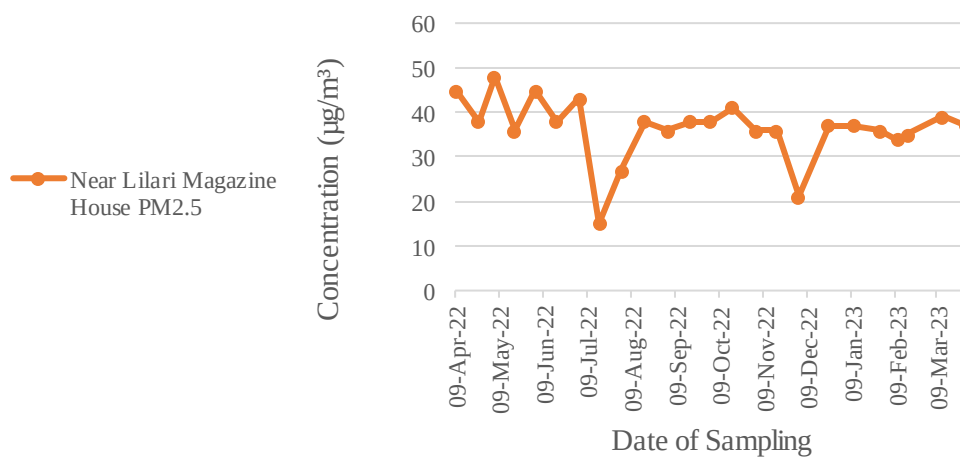
Graph Showing SPM for Lilari OCP



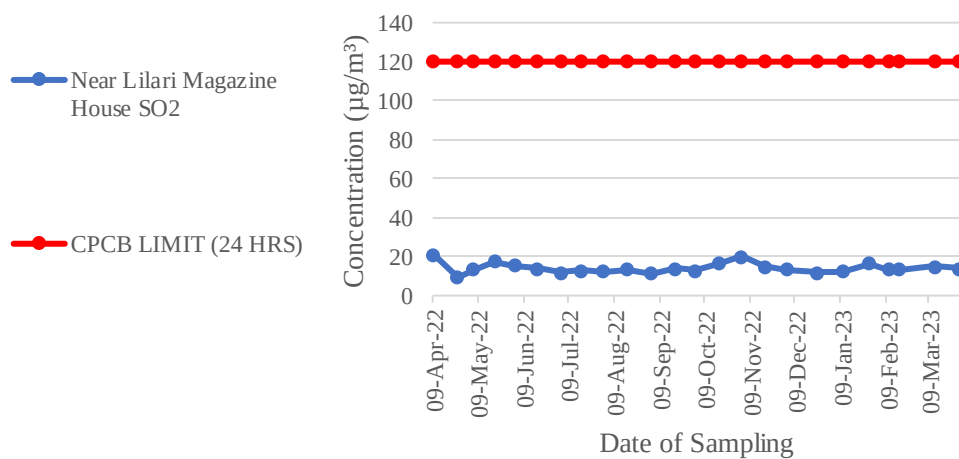
Graph Showing PM₁₀ for Lilari OCP



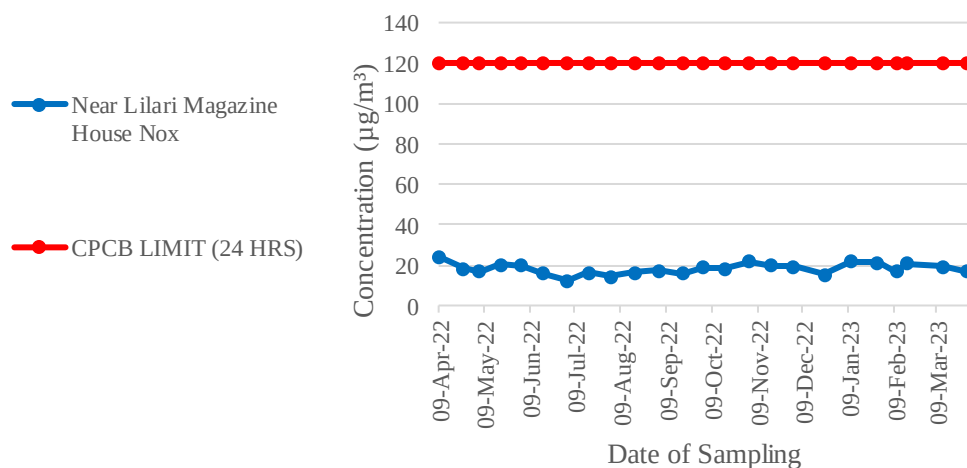
Graph Showing PM_{2.5} for Lilari OCP



Graph Showing SO_x for Lilari OCP



Graph Showing NO_x for Lilari OCP



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Table: 27

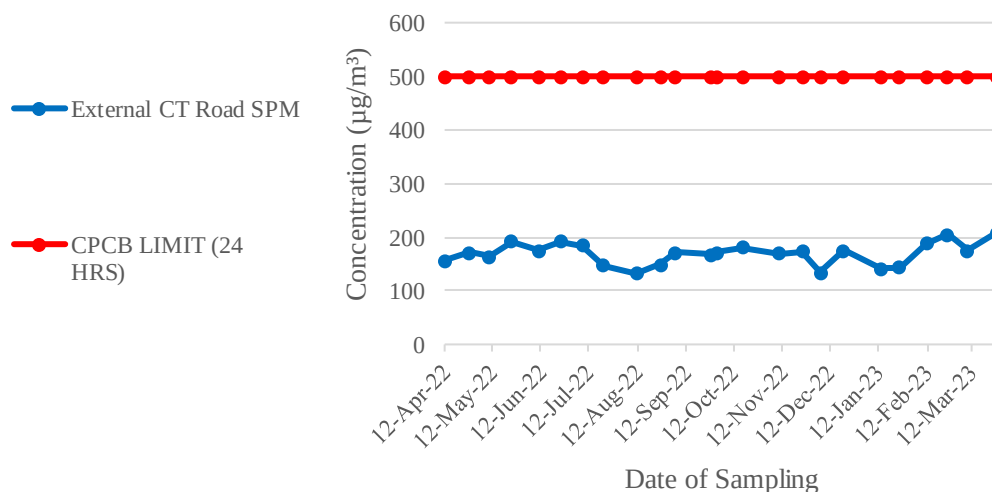
Area: Basundhara**Project:** Kulda OCP**Monitoring Station:** External CT Road

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
12-Apr-22	157	85	39	16.73	24.38
27-Apr-22	172	101	43	20.04	28.21
10-May-22	164	82	37	12.98	25.14
24-May-22	192	103	45	10.89	18.77
10-Jun-22	176	89	40	10.45	20.21
24-Jun-22	192	107	48	14.04	21.73
08-Jul-22	185	94	42	12.56	15.94
21-Jul-22	148	74	28	11.64	12.94
11-Aug-22	132	62	21	13.16	18.26
26-Aug-22	149	76	28	12.52	17.52
05-Sep-22	172	82	32	11.32	17.04
27-Sep-22	168	85	34	10.85	15.05
01-Oct-22	172	87	36	10.01	14.01
17-Oct-22	180	88	36	11.3	15.03
10-Nov-22	170	85	34	13.54	15.61
24-Nov-22	174	86	35	11.31	14.51
06-Dec-22	135	64	22	10.48	14.97
20-Dec-22	176	89	35	12.54	16.37
13-Jan-23	141	65	23	16.8	19.25
25-Jan-23	143	66	24	17.29	22.46
11-Feb-23	188	97	42	12.92	19.94
24-Feb-23	205	97	47	12.62	17.91
09-Mar-23	176	91	35	12.01	15.31
27-Mar-23	208	112	48	14.3	21.17
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	208	112	48	20.04	28.21
Minimum	132	62	21	10.01	12.94
Average	169.8	86.1	35.6	13.0	18.4
Standard 24 hr	500	250		120	120

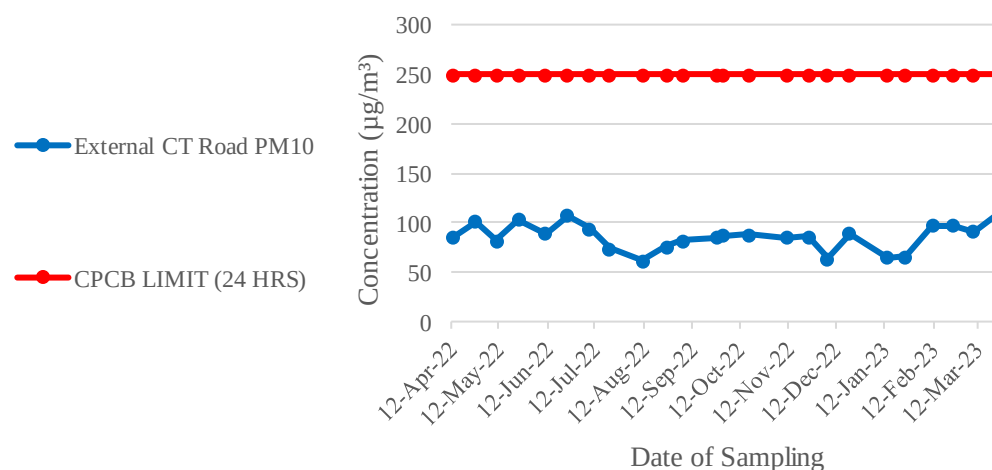
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JOB NO.750001

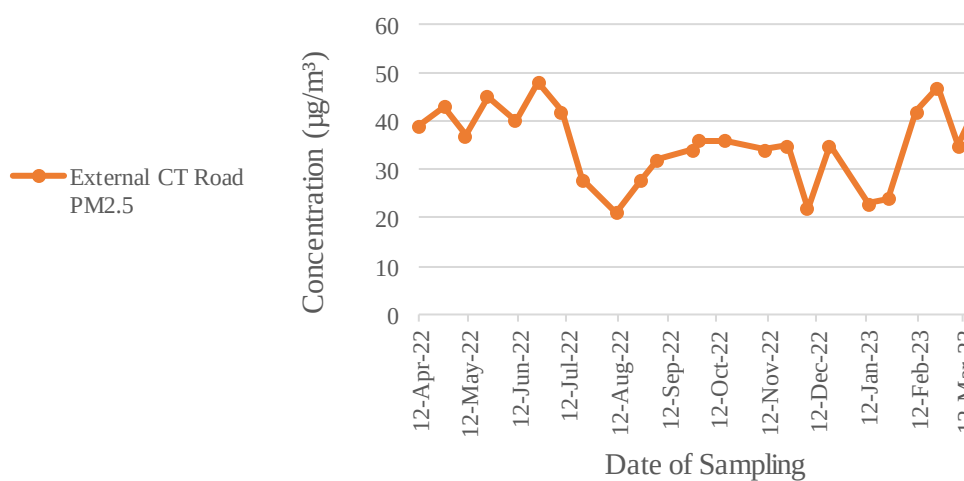
Graph Showing SPM for Kulda OCP



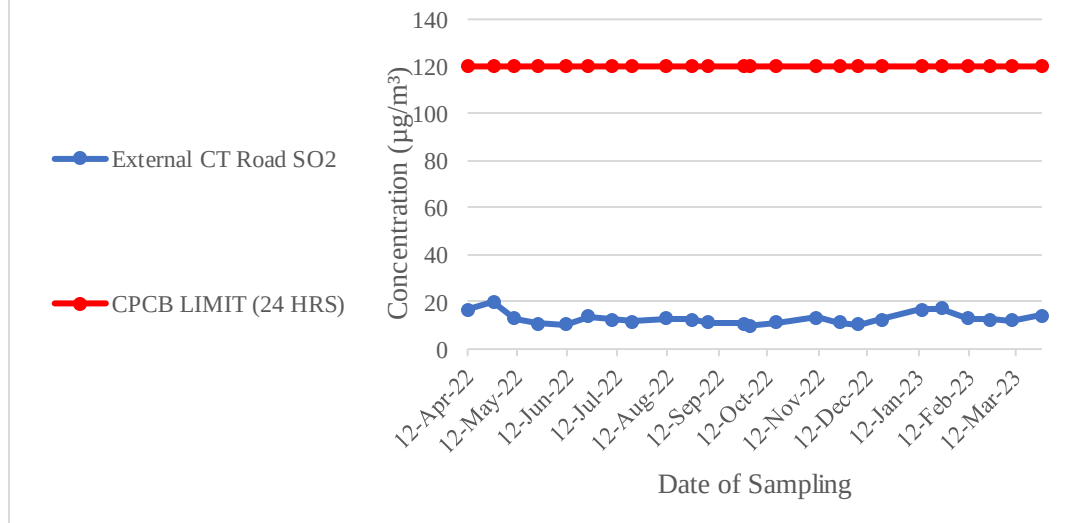
Graph Showing PM_{10} for Kulda OCP



Graph Showing $\text{PM}_{2.5}$ for Kulda OCP



Graph Showing SO_x for Kulda OCP



Graph Showing NO_x for Kulda OCP

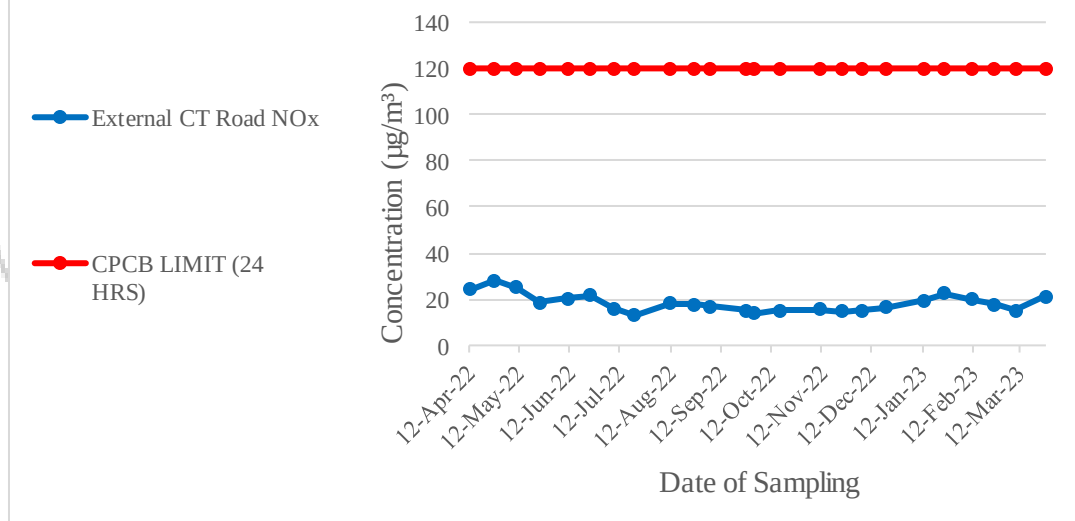


Table: 28

Area: Basundhara**Project:** Kulda OCP**Monitoring Station:** North of CHP

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	134	55	19	14.74	26.83
08-Apr-22	131	58	20	12.58	23.24
15-Apr-22	136	59	21	14.54	20.42
16-Apr-22	135	58	20	14.66	17.53
22-Apr-22	147	83	29	12.05	18.08
23-Apr-22	143	81	30	12.34	18.06
29-Apr-22	153	89	33	14.05	18.92
30-Apr-22	149	85	32	11.02	16.05
04-May-22	131	58	21	11.24	18.26
05-May-22	138	66	24	10.72	21.59
11-May-22	133	60	22	13.58	23.79
12-May-22	135	64	23	11.12	16.88
18-May-22	134	65	24	15.23	18.56
19-May-22	153	82	30	14.32	22.56
25-May-22	155	83	31	13.22	20.52
26-May-22	146	76	28	15.23	22.22
06-Jun-22	139	66	25	11.5	20.48
07-Jun-22	143	68	26	12.2	13.03
13-Jun-22	145	69	27	14.31	15.01
14-Jun-22	134	63	24	13.39	13.01
22-Jun-22	146	73	28	12.27	16.55
23-Jun-22	140	69	26	15.73	22.79
29-Jun-22	136	65	25	12.76	20.39
30-Jun-22	152	75	29	11.8	18.6
06-Jul-22	130	58	20	15.77	20.97
07-Jul-22	125	56	18	12.11	15.37
13-Jul-22	123	54	16	16.83	21.36
14-Jul-22	127	57	19	13.85	18.08
22-Jul-22	156	79	30	13.72	15.34
23-Jul-22	134	63	22	11.19	14.54
29-Jul-22	138	67	25	12.85	14.73
30-Jul-22	143	72	27	15.48	16.9
05-Aug-22	133	63	22	15.32	17.17
06-Aug-22	139	69	26	13.05	18.54
12-Aug-22	147	75	28	15.67	16.87
13-Aug-22	130	62	21	16.87	22.58
22-Aug-22	126	56	18	10.23	15.28
23-Aug-22	130	60	20	12.26	17.36
29-Aug-22	132	62	22	13.56	18.23
30-Aug-22	124	55	17	14.33	20.52
07-Sep-22	130	60	20	13.07	15.19
08-Sep-22	132	62	22	16.47	19.73
14-Sep-22	136	66	25	10.54	17.1
15-Sep-22	134	63	23	11.16	19.97
21-Sep-22	132	67	22	14.72	16.49

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22-Sep-22	130	60	21	14.28	20.29
28-Sep-22	135	65	24	15.39	16.57
29-Sep-22	142	70	26	13.94	18.66
10-Oct-22	142	72	26	14.9	16.55
11-Oct-22	136	64	24	17.47	20.02
14-Oct-22	146	75	27	11.13	16.61
15-Oct-22	152	78	29	13.18	21.95
19-Oct-22	138	67	25	15.89	17.52
20-Oct-22	128	62	22	15.43	21.38
26-Oct-22	141	72	26	14.74	15.72
27-Oct-22	148	75	28	13.44	17.77
02-Nov-22	170	72	26	11.62	17.15
03-Nov-22	182	69	27	14.12	20.1
07-Nov-22	168	82	33	10.64	14.03
08-Nov-22	128	58	19	13.02	16.23
14-Nov-22	150	75	28	18.92	20.42
15-Nov-22	155	77	29	15.18	16.26
21-Nov-22	136	65	24	12.88	15.89
22-Nov-22	143	71	26	10.98	17.21
28-Nov-22	149	76	28	14.15	16.54
29-Nov-22	134	63	22	11.32	20.35
07-Dec-22	158	78	29	15.4	17.43
08-Dec-22	132	60	20	17.11	19.99
14-Dec-22	128	56	18	9.24	14.05
15-Dec-22	155	76	28	14.81	25.15
21-Dec-22	128	55	17	12.94	16.25
22-Dec-22	139	64	23	12.56	20.02
28-Dec-22	136	60	20	14.51	17.26
29-Dec-22	146	69	25	10.21	18.68
01-Jan-23	143	65	24	12.62	18.76
02-Jan-23	138	63	22	11.73	16.45
06-Jan-23	144	66	24	10.08	15.04
07-Jan-23	152	71	26	12.13	20.2
13-Jan-23	138	62	22	16.51	17.42
14-Jan-23	156	75	28	16.48	14.98
20-Jan-23	162	81	30	12.01	19.37
21-Jan-23	157	76	28	13.62	20.46
27-Jan-23	151	71	26	14.38	19.77
28-Jan-23	154	73	27	15.37	20.06
03-Feb-23	135	60	20	13.48	14.77
04-Feb-23	143	65	24	12.41	18.17
08-Feb-23	153	74	27	14.89	15.75
09-Feb-23	138	63	22	12.25	16.23
15-Feb-23	158	79	29	17.96	17.56
16-Feb-23	158	78	29	14.53	14.59
20-Feb-23	165	84	32	11.45	18.63
21-Feb-23	172	72	34	14.33	16.67
24-Feb-23	156	75	28	15.45	15.39
25-Feb-23	146	70	25	15.46	14.9
03-Mar-23	150	72	26	13.37	13.3
04-Mar-23	158	79	29	14.55	15.01
10-Mar-23	144	66	24	12.83	13.14
11-Mar-23	154	74	27	12.73	19.66
20-Mar-23	149	71	26	14.45	20.79

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JOB NO.750001

21-Mar-23	140	62	22	15.25	18.02
24-Mar-23	172	88	34	16.34	14.11
25-Mar-23	178	92	36	13.08	12.98
30-Mar-23	168	87	33	15.99	15.94
31-Mar-23	163	83	31	16.25	19.22
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	182	92	36	18.92	26.83
Minimum	123	54	16	9.24	12.98
Average	143.8	69.0	25.1	13.7	18.0
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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Table: 29

Area: Basundhara**Project:** Kulda OCP**Monitoring Station:** South West of Working Face, Chakarpur

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	145	62	22	14.34	15.38
08-Apr-22	147	64	23	15.28	21.09
15-Apr-22	143	66	24	16.25	25.9
16-Apr-22	142	63	23	16.38	23.33
22-Apr-22	142	79	29	14.16	20.36
23-Apr-22	140	78	29	15.04	24.06
29-Apr-22	139	75	28	13.69	20.17
30-Apr-22	137	76	27	13.64	19.65
04-May-22	143	70	27	16.57	22.24
05-May-22	140	68	25	11.92	19.1
11-May-22	136	66	24	13.83	19.57
12-May-22	140	69	26	13.74	25.75
18-May-22	142	72	27	12.23	18.56
19-May-22	136	66	25	10.28	21.52
25-May-22	133	63	24	15.36	25.33
26-May-22	141	72	27	18.45	22.36
06-Jun-22	131	61	23	13.71	18.6
07-Jun-22	130	60	22	10.12	14.02
13-Jun-22	127	57	20	12.26	13.17
14-Jun-22	146	58	21	15.29	17.43
22-Jun-22	130	62	22	13.53	16.33
23-Jun-22	127	60	20	15.86	14.23
29-Jun-22	135	65	24	14.19	17.89
30-Jun-22	141	68	26	15.48	19.36
06-Jul-22	142	70	26	14.31	15.21
07-Jul-22	138	65	25	11.69	12.59
13-Jul-22	132	62	22	16.72	18.86
14-Jul-22	136	64	24	13.01	15.17
22-Jul-22	148	74	28	11.5	14.55
23-Jul-22	136	64	24	13.25	16.71
29-Jul-22	134	62	22	11.98	12.87
30-Jul-22	142	70	26	9.89	11.34
05-Aug-22	155	78	29	14.34	16.86
06-Aug-22	160	82	31	10.74	11.94
12-Aug-22	140	68	26	11.21	15.33
13-Aug-22	162	80	30	13.13	18.66
22-Aug-22	142	73	27	16.32	18.2
23-Aug-22	133	62	22	12.52	13.52
29-Aug-22	149	76	28	14.55	17.52
30-Aug-22	128	58	19	11.52	16.23
07-Sep-22	141	70	26	14.05	15.43

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08-Sep-22	142	73	27	16.25	15.22
14-Sep-22	138	68	25	14.06	12.53
15-Sep-22	134	64	24	11.95	19.62
21-Sep-22	149	76	28	14.91	17.52
22-Sep-22	153	78	29	12.68	14.1
28-Sep-22	146	73	27	11.34	15.51
29-Sep-22	139	68	25	12.68	18.01
10-Oct-22	132	62	22	17.21	18.16
11-Oct-22	138	68	25	16.48	14.98
14-Oct-22	142	71	26	14.97	12.92
15-Oct-22	154	79	29	14.74	22.75
19-Oct-22	164	80	30	13.02	14.99
20-Oct-22	145	74	27	13.76	14.93
26-Oct-22	140	68	25	11.76	15.6
27-Oct-22	142	70	26	13.56	18.8
02-Nov-22	179	92	28	11.32	14.92
03-Nov-22	152	93	34	13.86	17.57
07-Nov-22	129	57	19	14.38	19.4
08-Nov-22	134	63	22	22.3	14.22
14-Nov-22	137	65	24	15.22	13.56
15-Nov-22	144	71	26	14.95	17.85
21-Nov-22	148	75	28	14.32	15.89
22-Nov-22	142	70	26	13.86	14.05
28-Nov-22	134	64	23	12	14.92
29-Nov-22	138	67	25	12.48	20.57
07-Dec-22	143	66	24	19.79	18.07
08-Dec-22	133	60	20	15.87	14.71
14-Dec-22	159	79	29	14.21	12.52
15-Dec-22	152	75	27	16.47	25.92
21-Dec-22	132	58	19	17.11	19.33
22-Dec-22	140	64	23	14.06	14.51
28-Dec-22	146	68	25	12.29	15.55
29-Dec-22	153	74	27	11.33	19.02
01-Jan-23	136	62	21	14.25	19.34
02-Jan-23	141	64	23	14.27	20.22
06-Jan-23	146	69	25	13.22	11.42
07-Jan-23	159	79	29	14.48	22.35
13-Jan-23	135	60	20	16.75	18.36
14-Jan-23	138	62	22	13.92	20.38
20-Jan-23	146	68	25	13.94	19.54
21-Jan-23	135	58	20	10.55	16.34
27-Jan-23	142	65	23	11.46	17.43
28-Jan-23	150	72	26	13.87	18.07
03-Feb-23	134	58	19	12.17	18.02
04-Feb-23	159	78	29	14.88	19.67
08-Feb-23	147	89	25	13.67	19.77
09-Feb-23	133	59	19	13.47	21.37
15-Feb-23	155	77	28	15.71	20.35
16-Feb-23	154	74	27	15.74	23.31

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20-Feb-23	145	68	25	14.46	17.92
21-Feb-23	138	62	22	15.97	22.88
24-Feb-23	142	66	24	11.31	14.29
25-Feb-23	136	60	20	16.49	17.24
03-Mar-23	163	83	31	16.23	15.33
04-Mar-23	150	72	26	20.48	16.44
10-Mar-23	141	64	23	16.63	12.46
11-Mar-23	138	62	22	15.32	21.8
20-Mar-23	153	74	27	17.08	22.55
21-Mar-23	145	68	25	12.01	21.71
24-Mar-23	139	62	22	18.29	21.28
25-Mar-23	158	78	29	17.52	18.32
30-Mar-23	163	82	31	12.43	12.39
31-Mar-23	144	66	24	14.32	22.11
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	179	93	34	22.3	25.92
Minimum	127	57	19	9.89	11.34
Average	142.8	69.0	25.0	14.2	17.8
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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Table: 30

Area: Basundhara**Project:** Kulda OCP**Monitoring Station:** Bihaimunda village/ South west of working face (Reported)

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	141	65	26	10.13	18.83
12-Apr-22	143	63	25	14.45	24.67
18-Apr-22	149	64	26	10.77	22.91
19-Apr-22	151	68	27	17.28	28.24
25-Apr-22	150	89	31	12.06	16.38
26-Apr-22	147	85	30	15.26	20.36
28-Apr-22	142	81	29	16.38	22.68
29-Apr-22	145	84	30	13.78	19.62
04-May-22	136	67	24	13.49	20.81
05-May-22	139	70	26	13.9	21.27
12-May-22	138	68	25	19.59	25.58
13-May-22	134	63	23	14.34	20.15
20-May-22	146	75	28	11.52	18.66
21-May-22	140	70	26	15.23	20.2
25-May-22	131	63	24	12.32	18.33
26-May-22	135	66	25	12.23	19.77
06-Jun-22	140	67	26	16.19	16.77
07-Jun-22	147	72	28	10.98	13.76
13-Jun-22	150	74	29	13.58	23.02
14-Jun-22	138	64	25	15	17.03
22-Jun-22	136	66	25	13.46	18.15
23-Jun-22	144	69	27	11.08	13.17
29-Jun-22	147	72	28	13.94	15.98
30-Jun-22	134	63	24	15.09	20.45
06-Jul-22	152	78	29	13.79	15.37
07-Jul-22	142	73	27	17.28	19.7
13-Jul-22	140	70	26	14.17	18.44
14-Jul-22	136	65	24	10.47	12.08
22-Jul-22	133	62	22	10.6	12.96
23-Jul-22	130	60	20	8.59	10.22
29-Jul-22	125	56	18	10.72	13.01
30-Jul-22	122	52	16	13.08	16.57
05-Aug-22	138	65	25	10.71	14.65
06-Aug-22	133	62	23	14.47	17.06
12-Aug-22	124	55	17	13.5	14.23
13-Aug-22	127	59	19	14.44	17.77
22-Aug-22	135	64	24	13.25	16.52
23-Aug-22	129	60	20	12.88	15.22
29-Aug-22	127	58	19	11.52	17.25
30-Aug-22	133	64	23	12.52	15.2
07-Sep-22	134	67	25	15.18	16.79
08-Sep-22	132	62	23	13.65	15.77
14-Sep-22	131	61	21	12.66	19.52
15-Sep-22	142	70	26	18.3	20.5

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21-Sep-22	135	64	24	12.61	17.25
22-Sep-22	132	62	22	13.8	16.27
28-Sep-22	129	58	20	15.46	16.3
29-Sep-22	124	54	18	15.32	18.85
10-Oct-22	130	60	20	13.76	18.21
11-Oct-22	137	68	25	16.05	15.69
14-Oct-22	131	62	22	12.51	18.52
15-Oct-22	135	65	24	16.3	21.55
19-Oct-22	142	69	25	11.91	15.81
20-Oct-22	132	64	23	14.64	17.11
26-Oct-22	124	60	21	13.51	14.13
27-Oct-22	124	58	20	13.91	16.96
02-Nov-22	151	85	27	12.89	14.92
03-Nov-22	172	93	35	14.12	16.36
07-Nov-22	154	77	29	15.26	16.25
08-Nov-22	134	64	22	10.22	13.28
14-Nov-22	128	58	19	16.28	10.22
15-Nov-22	125	55	17	12.85	15.25
21-Nov-22	136	65	24	13.3	16.54
22-Nov-22	142	71	26	12.25	16.4
28-Nov-22	133	62	22	11.85	16.49
29-Nov-22	138	68	25	10.58	20.32
07-Dec-22	157	77	29	13.82	18.67
08-Dec-22	149	73	27	16.4	16.35
14-Dec-22	161	81	30	12.52	18.9
15-Dec-22	154	76	28	12.66	17.06
21-Dec-22	139	64	23	14.89	18.85
22-Dec-22	135	60	20	14.82	20.21
28-Dec-22	146	69	25	12.2	17.28
29-Dec-22	157	79	29	10.07	19.68
01-Jan-23	162	81	30	13.27	18.46
02-Jan-23	154	74	27	12.31	19.34
06-Jan-23	160	79	29	11.47	16.99
07-Jan-23	136	62	21	14.98	19.8
13-Jan-23	139	64	22	14.67	21.22
14-Jan-23	146	70	25	15.41	24.44
23-Jan-23	158	79	29	14.3	19.08
24-Jan-23	156	76	28	11.94	17.44
29-Jan-23	150	72	26	15.61	22.12
30-Jan-23	144	66	24	12.42	18.68
03-Feb-23	162	82	30	15.68	18.15
04-Feb-23	165	83	32	15.97	21.08
08-Feb-23	151	70	26	12.43	22.46
09-Feb-23	143	66	24	17.78	20.68
15-Feb-23	138	62	22	18.3	19.13
16-Feb-23	153	73	27	12.15	17.99
20-Feb-23	137	62	22	20.56	29.6
21-Feb-23	147	60	20	15.9	18.79
24-Feb-23	146	69	25	16.75	14.46
25-Feb-23	140	64	23	23.06	22.88
03-Mar-23	156	75	28	21.72	26.16
04-Mar-23	138	62	22	14.88	12.9
10-Mar-23	147	68	25	12.4	16.84
11-Mar-23	135	60	20	15.19	18.3

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20-Mar-23	162	82	30	15.05	18.56
21-Mar-23	136	62	21	23.18	29.39
24-Mar-23	139	63	22	17.84	16.57
25-Mar-23	151	70	26	13.22	16.73
30-Mar-23	165	84	32	14.93	23.59
31-Mar-23	153	74	27	9.94	20.42
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	172	93	35	23.18	29.6
Minimum	122	52	16	8.59	10.22
Average	141.6	68.1	24.7	14.1	18.3
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

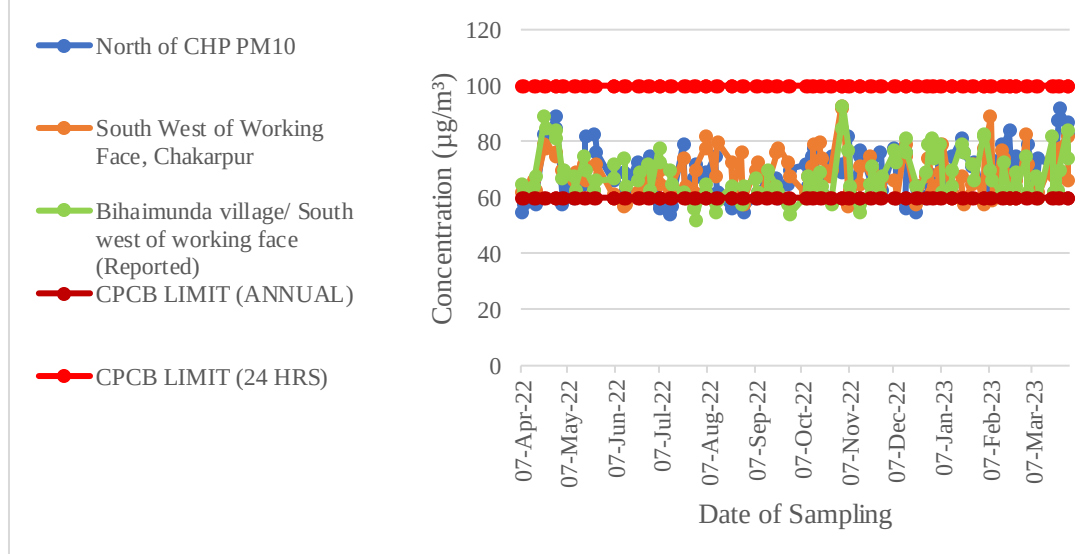


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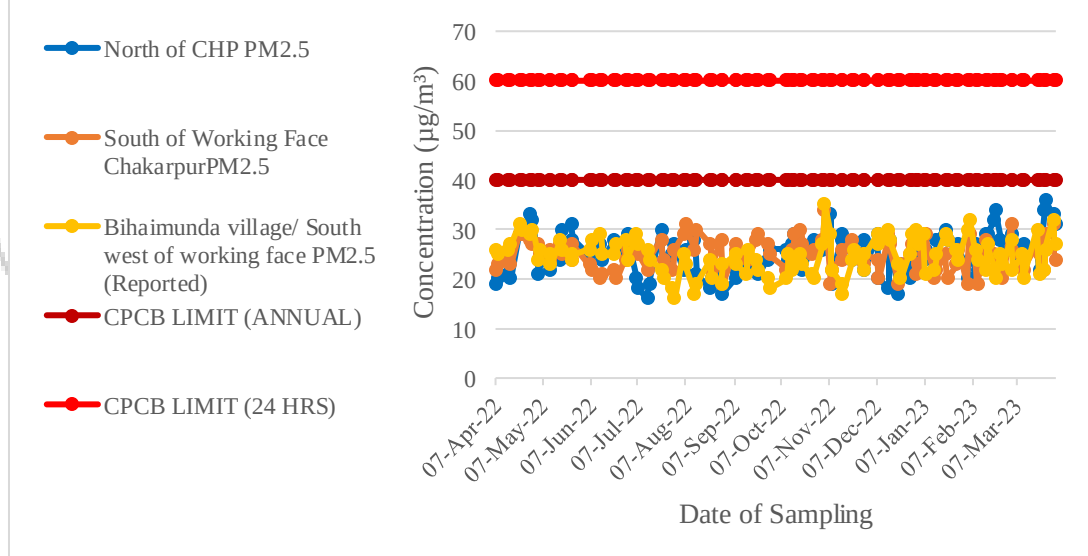
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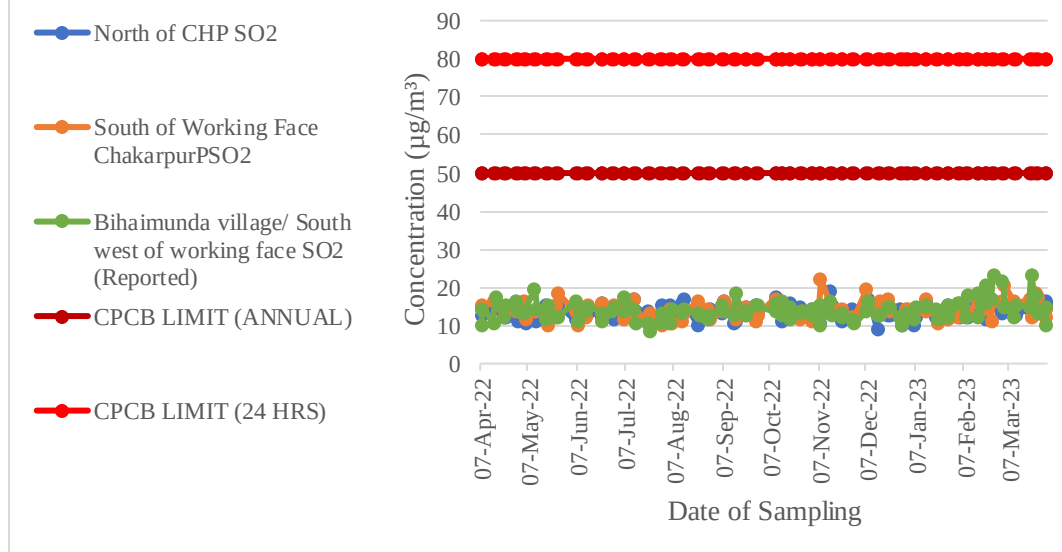
Graph Showing PM₁₀ for Kulda OCP



Graph Showing PM_{2.5} for Kulda OCP



Graph Showing SO_x for Kulda OCP



Graph Showing NO_x for Kulda OCP

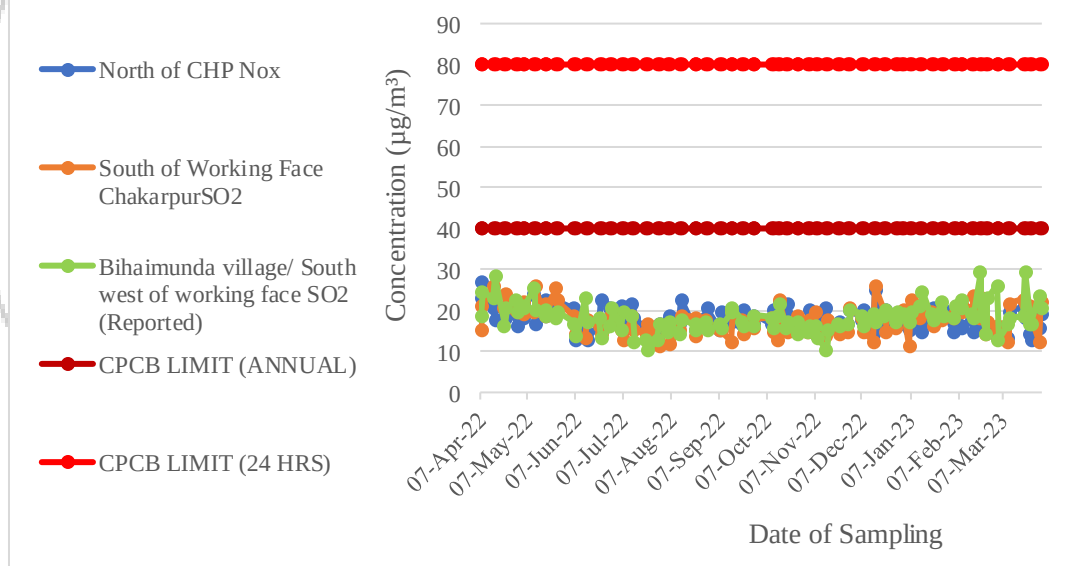


Table: 31

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** Karlikachar village

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
12-Apr-22	149	88	30	18.13	25.46
27-Apr-22	157	94	42	20.15	26.38
10-May-22	153	74	31	13.75	26.64
24-May-22	156	85	32	11.88	17.32
10-Jun-22	160	78	32	13.44	14.84
24-Jun-22	164	86	34	17.88	23.42
08-Jul-22	170	85	35	13.89	15.58
26-Jul-22	132	64	23	12.01	15.3
11-Aug-22	166	86	35	15.43	21.61
26-Aug-22	138	66	25	10.52	15.23
06-Sep-22	146	76	28	14.1	16.12
30-Sep-22	162	80	30	13.96	19.55
01-Oct-22	144	73	27	16.67	18.27
17-Oct-22	166	83	32	14.28	19.68
11-Nov-22	134	63	22	12.55	16.58
25-Nov-22	170	86	34	15.57	19.85
09-Dec-22	174	90	35	15.55	17.38
23-Dec-22	172	87	34	15.91	20.65
12-Jan-23	155	74	27	14.82	15.68
25-Jan-23	180	93	38	10.25	16.38
11-Feb-23	176	90	35	13.76	13.27
24-Feb-23	184	94	39	15.23	16.11
09-Mar-23	178	92	36	17.99	17.69
27-Mar-23	186	96	40	13.59	18.9
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	186	96	42	20.15	26.64
Minimum	132	63	22	10.25	13.27
Average	161.3	82.6	32.3	14.6	18.7
Standard 24 hr	500	250		120	120

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Table: 32

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** Near Coal Sampling Lab

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
13-Apr-22	159	93	42	13.8	22.67
28-Apr-22	198	116	53	20.36	28.32
12-May-22	191	100	45	12.65	17.72
26-May-22	203	108	48	12.56	24.52
11-Jun-22	200	103	48	12.39	18.9
25-Jun-22	202	112	50	11.89	14.93
09-Jul-22	210	108	50	10.45	12.89
26-Jul-22	198	98	48	11.77	13.84
13-Aug-22	141	68	26	13.44	15.52
27-Aug-22	168	84	34	10.52	13.25
08-Sep-22	170	83	32	17.04	15.97
30-Sep-22	178	88	37	15.58	17.99
08-Oct-22	136	65	24	13.46	14.24
17-Oct-22	184	90	39	15.7	17.99
12-Nov-22	204	108	49	13.25	20.55
26-Nov-22	183	92	38	15.46	17.13
09-Dec-22	202	110	50	14.59	15.73
23-Dec-22	190	96	41	14.33	16.17
12-Jan-23	190	98	42	16.1	15.74
25-Jan-23	186	96	41	12.49	19.37
10-Feb-23	207	112	51	14.47	16.3
25-Feb-23	192	98	42	9.57	18.79
09-Mar-23	185	98	40	15.22	14.34
27-Mar-23	193	98	43	14	25.49
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	210	116	53	20.36	28.32
Minimum	136	65	24	9.57	12.89
Average	186.3	96.8	42.2	13.8	17.8
Standard 24 hr	500	250		120	120

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Table: 33

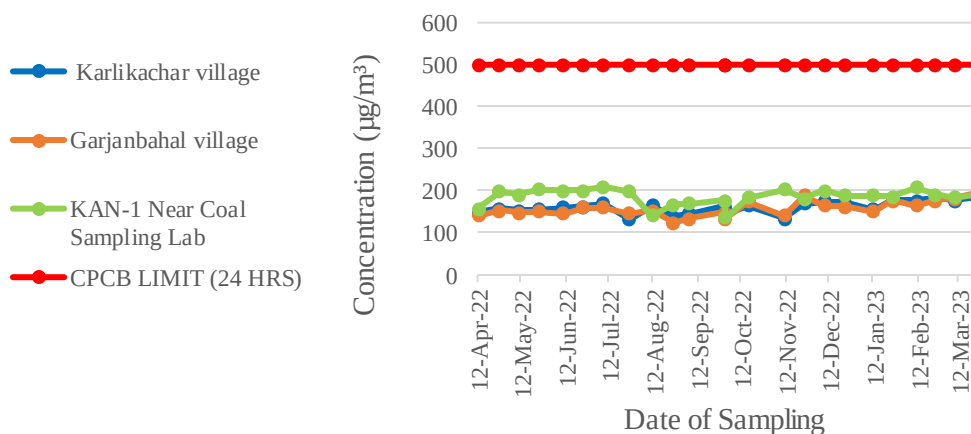
Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** Garjanbahal village

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
13-Apr-22	141	83	27	16.57	28.28
28-Apr-22	153	90	44	18.05	26.23
11-May-22	148	72	29	12.66	21.12
25-May-22	152	81	30	15.26	22.53
11-Jun-22	147	71	28	13.75	16.53
25-Jun-22	160	80	32	13.06	17.61
09-Jul-22	160	81	32	18.03	21.43
26-Jul-22	147	74	28	10.07	14.54
12-Aug-22	153	78	29	12.59	17.12
27-Aug-22	124	57	17	16.23	20
06-Sep-22	135	63	24	13.51	21.01
30-Sep-22	148	75	28	11.89	16.16
08-Oct-22	134	62	22	14.78	21.64
17-Oct-22	174	85	34	12.37	16.4
11-Nov-22	141	68	25	11.62	13.54
25-Nov-22	188	95	40	12.58	16.42
09-Dec-22	165	84	32	12.2	18.22
23-Dec-22	164	84	32	12.89	17.12
12-Jan-23	151	72	26	15.36	20.34
25-Jan-23	176	92	36	11.46	16.32
10-Feb-23	165	84	32	17.56	16.72
24-Feb-23	176	90	35	18.86	22.55
09-Mar-23	182	94	38	15.01	20.18
27-Mar-23	197	102	45	20.34	22.19
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	197	102	45	20.34	28.28
Minimum	124	57	17	10.07	13.54
Average	157.5	79.9	31.0	14.4	19.3
Standard 24 hr	500	250		120	120

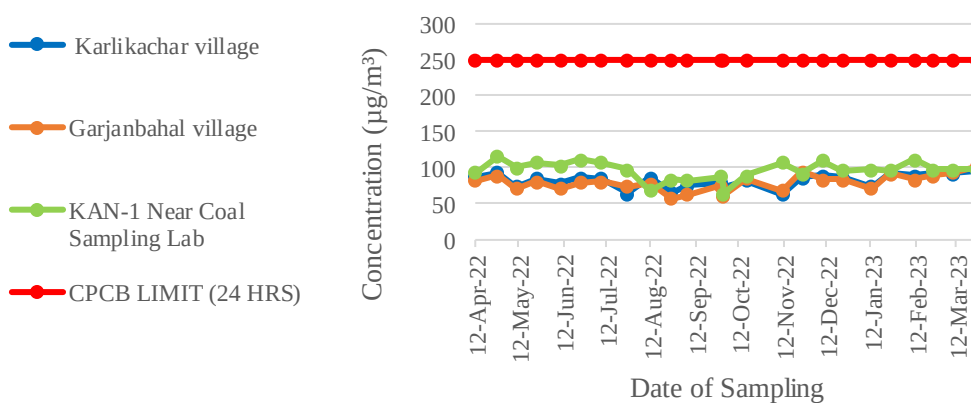
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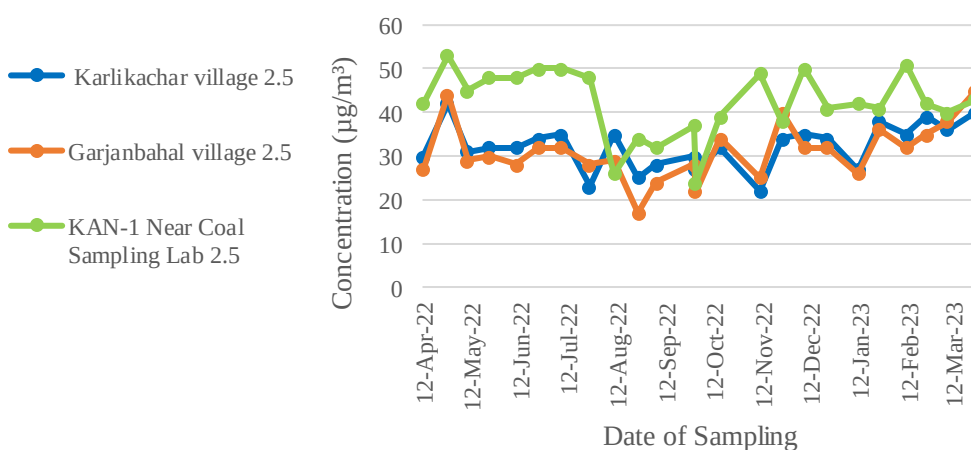
Graph Showing SPM for Garjanbahal OCP



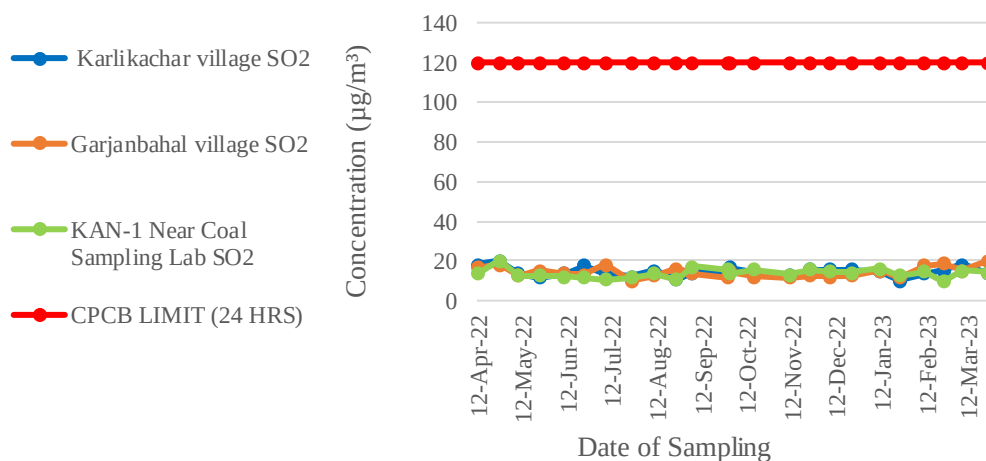
Graph Showing PM_{10} for Garjanbahal OCP



Graph Showing $\text{PM}_{2.5}$ for Garjanbahal OCP



Graph Showing SO_x for Garjanbahal OCP



Graph Showing NO_x for Garjanbahal OCP

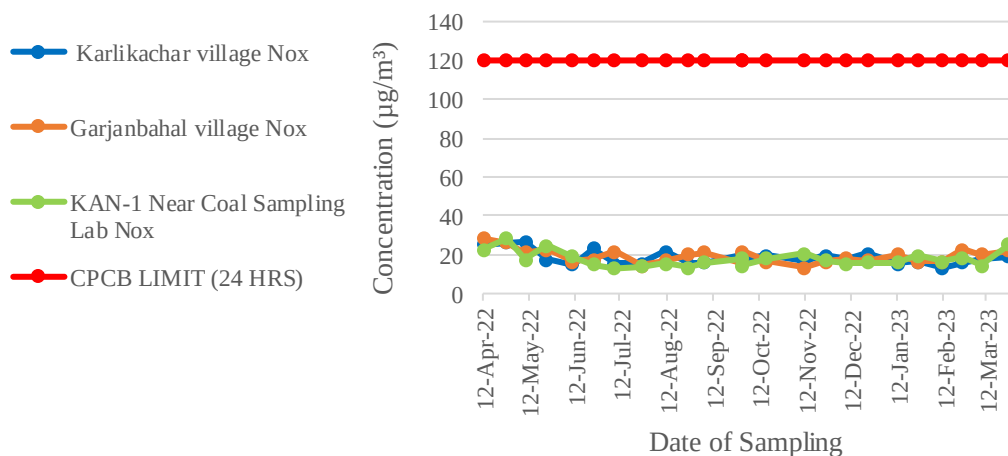


Table: 34

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** Bihaimunda village/ South west of working face

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	141	65	26	10.13	18.83
12-Apr-22	143	63	25	14.45	24.67
18-Apr-22	149	64	26	10.77	22.91
19-Apr-22	151	68	27	17.28	28.24
25-Apr-22	150	89	31	12.06	16.38
26-Apr-22	147	85	30	15.26	20.36
28-Apr-22	142	81	29	16.38	22.68
29-Apr-22	145	84	30	13.78	19.62
04-May-22	136	67	24	13.49	20.81
05-May-22	139	70	26	13.9	21.27
12-May-22	138	68	25	19.59	25.58
13-May-22	134	63	23	14.34	20.15
20-May-22	146	75	28	11.52	18.66
21-May-22	140	70	26	15.23	20.2
25-May-22	131	63	24	12.32	18.33
26-May-22	135	66	25	12.23	19.77
06-Jun-22	140	67	26	16.19	16.77
07-Jun-22	147	72	28	10.98	13.76
13-Jun-22	150	74	29	13.58	23.02
14-Jun-22	138	64	25	15	17.03
22-Jun-22	136	66	25	13.46	18.15
23-Jun-22	144	69	27	11.08	13.17
29-Jun-22	147	72	28	13.94	15.98
30-Jun-22	134	63	24	15.09	20.45
06-Jul-22	152	78	29	13.79	15.37
07-Jul-22	142	73	27	17.28	19.7
13-Jul-22	140	70	26	14.17	18.44
14-Jul-22	136	65	24	10.47	12.08
22-Jul-22	133	62	22	10.6	12.96
23-Jul-22	130	60	20	8.59	10.22
29-Jul-22	125	56	18	10.72	13.01
30-Jul-22	122	52	16	13.08	16.57
05-Aug-22	138	65	25	10.71	14.65
06-Aug-22	133	62	23	14.47	17.06
12-Aug-22	124	55	17	13.5	14.23
13-Aug-22	127	59	19	14.44	17.77
22-Aug-22	135	64	24	13.25	16.52
23-Aug-22	129	60	20	12.88	15.22
29-Aug-22	127	58	19	11.52	17.25
30-Aug-22	133	64	23	12.52	15.2
07-Sep-22	134	67	25	15.18	16.79
08-Sep-22	132	62	23	13.65	15.77
14-Sep-22	131	61	21	12.66	19.52
15-Sep-22	142	70	26	18.3	20.5

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21-Sep-22	135	64	24	12.61	17.25
22-Sep-22	132	62	22	13.8	16.27
28-Sep-22	129	58	20	15.46	16.3
29-Sep-22	124	54	18	15.32	18.85
10-Oct-22	130	60	20	13.76	18.21
11-Oct-22	137	68	25	16.05	15.69
14-Oct-22	131	62	22	12.51	18.52
15-Oct-22	135	65	24	16.3	21.55
19-Oct-22	142	69	25	11.91	15.81
20-Oct-22	132	64	23	14.64	17.11
26-Oct-22	124	60	21	13.51	14.13
27-Oct-22	124	58	20	13.91	16.96
02-Nov-22	151	85	27	12.89	14.92
03-Nov-22	172	93	35	14.12	16.36
07-Nov-22	154	77	29	15.26	16.25
08-Nov-22	134	64	22	10.22	13.28
14-Nov-22	128	58	19	16.28	10.22
15-Nov-22	125	55	17	12.85	15.25
21-Nov-22	136	65	24	13.3	16.54
22-Nov-22	142	71	26	12.25	16.4
28-Nov-22	133	62	22	11.85	16.49
29-Nov-22	138	68	25	10.58	20.32
07-Dec-22	157	77	29	13.82	18.67
08-Dec-22	149	73	27	16.4	16.35
14-Dec-22	161	81	30	12.52	18.9
15-Dec-22	154	76	28	12.66	17.06
21-Dec-22	139	64	23	14.89	18.85
22-Dec-22	135	60	20	14.82	20.21
28-Dec-22	146	69	25	12.2	17.28
29-Dec-22	157	79	29	10.07	19.68
01-Jan-23	162	81	30	13.27	18.46
02-Jan-23	154	74	27	12.31	19.34
06-Jan-23	160	79	29	11.47	16.99
07-Jan-23	136	62	21	14.98	19.8
13-Jan-23	139	64	22	14.67	21.22
14-Jan-23	146	70	25	15.41	24.44
23-Jan-23	158	79	29	14.3	19.08
24-Jan-23	156	76	28	11.94	17.44
29-Jan-23	150	72	26	15.61	22.12
30-Jan-23	144	66	24	12.42	18.68
03-Feb-23	162	82	30	15.68	18.15
04-Feb-23	165	83	32	15.97	21.08
08-Feb-23	151	70	26	12.43	22.46
09-Feb-23	143	66	24	17.78	20.68
15-Feb-23	138	62	22	18.3	19.13
16-Feb-23	153	73	27	12.15	17.99
20-Feb-23	137	62	22	20.56	29.6
21-Feb-23	147	60	20	15.9	18.79
24-Feb-23	146	69	25	16.75	14.46
25-Feb-23	140	64	23	23.06	22.88
03-Mar-23	156	75	28	21.72	26.16
04-Mar-23	138	62	22	14.88	12.9
10-Mar-23	147	68	25	12.4	16.84
11-Mar-23	135	60	20	15.19	18.3

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JOB NO.750001

20-Mar-23	162	82	30	15.05	18.56
21-Mar-23	136	62	21	23.18	29.39
24-Mar-23	139	63	22	17.84	16.57
25-Mar-23	151	70	26	13.22	16.73
30-Mar-23	165	84	32	14.93	23.59
31-Mar-23	153	74	27	9.94	20.42
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	172	93	35	23.18	29.6
Minimum	122	52	16	8.59	10.22
Average	141.6	68.1	24.7	14.1	18.3
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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Table: 35

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** South-East of Wokring Face, Kutabaga Village

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	142	67	27	10.19	28.91
12-Apr-22	148	69	28	10.02	32.97
18-Apr-22	145	67	27	14.2	31.75
19-Apr-22	139	63	26	13.93	26.5
25-Apr-22	142	79	27	14.25	19.64
26-Apr-22	144	80	29	9.21	16.97
28-Apr-22	145	85	30	12.02	18.68
29-Apr-22	153	88	31	16.23	22.15
06-May-22	145	72	28	13.98	16.25
07-May-22	140	69	26	10.94	15.42
13-May-22	142	67	27	14.18	15.54
14-May-22	138	65	25	15.19	16.93
20-May-22	151	82	30	14.32	22.23
21-May-22	147	80	29	10.23	18.56
25-May-22	153	83	31	12.32	22.23
26-May-22	146	77	28	13.52	18.26
06-Jun-22	132	59	22	15.23	17.36
07-Jun-22	128	57	20	12.39	18.9
13-Jun-22	135	65	24	15.49	16.18
14-Jun-22	132	63	23	14.32	20.23
22-Jun-22	152	74	29	13.15	14.36
23-Jun-22	140	68	26	14.41	19.39
29-Jun-22	143	71	28	16.19	22.98
30-Jun-22	143	69	27	13.79	15.89
06-Jul-22	132	60	20	13.3	14.47
07-Jul-22	128	57	19	16.09	19
13-Jul-22	126	54	18	12.78	17.54
14-Jul-22	124	52	16	17.34	20.61
22-Jul-22	120	48	15	11.32	15.26
23-Jul-22	116	44	13	15.18	16.99
29-Jul-22	114	41	12	13.07	15.39
30-Jul-22	126	55	18	11.26	15.18
05-Aug-22	125	58	18	10.66	15.25
06-Aug-22	134	64	22	13.9	20.82
12-Aug-22	136	65	24	11.26	14.8
13-Aug-22	132	61	21	15.7	16.42
22-Aug-22	126	56	18	12.52	14.21
23-Aug-22	128	58	19	10.52	15.26
29-Aug-22	130	60	20	13.25	17.52
30-Aug-22	132	62	22	11.52	14.25
07-Sep-22	130	60	20	12.5	19.26
08-Sep-22	126	56	18	13.88	23.37
14-Sep-22	132	62	22	11.99	21.18
15-Sep-22	131	61	21	14.72	12.82

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21-Sep-22	134	62	23	10.4	14.88
22-Sep-22	128	56	19	11.28	16.9
28-Sep-22	130	58	20	11.31	14.86
29-Sep-22	135	63	24	16.23	16.97
10-Oct-22	132	64	23	14.64	21.17
11-Oct-22	131	62	21	15.84	25.12
14-Oct-22	135	66	24	17.32	22.43
15-Oct-22	132	63	23	13.06	12.59
19-Oct-22	141	72	26	11.53	15.76
20-Oct-22	152	77	29	13.62	19.79
26-Oct-22	144	74	27	10.06	12.68
27-Oct-22	140	68	25	14.3	14.95
02-Nov-22	181	95	34	12.43	16.36
03-Nov-22	170	92	28	10.45	14.95
07-Nov-22	130	60	20	16.25	14.85
08-Nov-22	136	65	24	14.25	20.21
14-Nov-22	132	63	22	10.75	14.24
15-Nov-22	126	56	18	14.52	10.23
21-Nov-22	162	82	31	11.64	19.18
22-Nov-22	145	74	27	12.25	14.84
28-Nov-22	150	76	28	12.74	18.19
29-Nov-22	142	71	26	11.28	12.13
07-Dec-22	143	65	24	14.98	22.09
08-Dec-22	133	62	21	13.74	22.23
14-Dec-22	136	64	23	16.54	21.85
15-Dec-22	130	58	19	11.96	11.76
21-Dec-22	140	64	23	12.25	14.58
22-Dec-22	162	82	30	10.2	17.12
28-Dec-22	154	76	28	13.17	16.24
29-Dec-22	124	69	22	14.15	20.58
01-Jan-23	146	69	25	10.25	16.84
02-Jan-23	137	62	22	11.48	17.38
06-Jan-23	156	75	28	15.94	20.64
07-Jan-23	145	68	25	13.52	13.03
13-Jan-23	140	65	23	14.2	13.51
14-Jan-23	136	60	21	14.05	15.83
23-Jan-23	135	60	20	13.55	19.61
24-Jan-23	136	62	21	14.64	20.3
29-Jan-23	156	75	28	12.88	18.48
30-Jan-23	147	69	25	13.45	19.46
03-Feb-23	135	60	20	11.69	11.65
04-Feb-23	144	65	24	13.59	20.98
08-Feb-23	154	74	27	12.49	17.36
09-Feb-23	138	63	22	18.37	20.04
15-Feb-23	158	79	29	11.13	20.26
16-Feb-23	156	75	28	17.21	17.15
20-Feb-23	142	68	25	12.68	15
21-Feb-23	162	80	30	17.05	22.5
24-Feb-23	154	75	27	14.34	25.93
25-Feb-23	151	72	26	17.41	20.25
03-Mar-23	155	76	28	13.21	17.5
04-Mar-23	141	64	23	14.34	
10-Mar-23	164	83	31	14.64	17.27
11-Mar-23	159	78	29	12.67	10.68

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JOB NO.750001

20-Mar-23	146	68	25	20.32	34.29
21-Mar-23	165	84	32	15.06	24.68
24-Mar-23	159	77	29	12.71	16.46
25-Mar-23	150	71	26	15.17	20.9
30-Mar-23	144	66	24	13.71	15.71
31-Mar-23	142	65	23	19.05	21.34
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	181	95	34	20.32	34.29
Minimum	114	41	12	9.21	10.23
Average	140.9	67.5	24.3	13.5	18.3
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

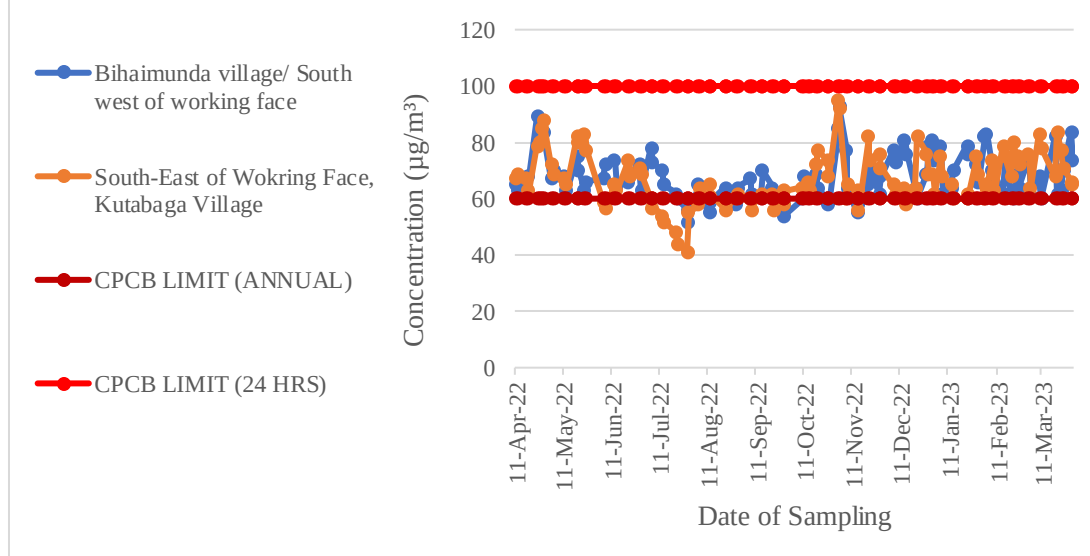


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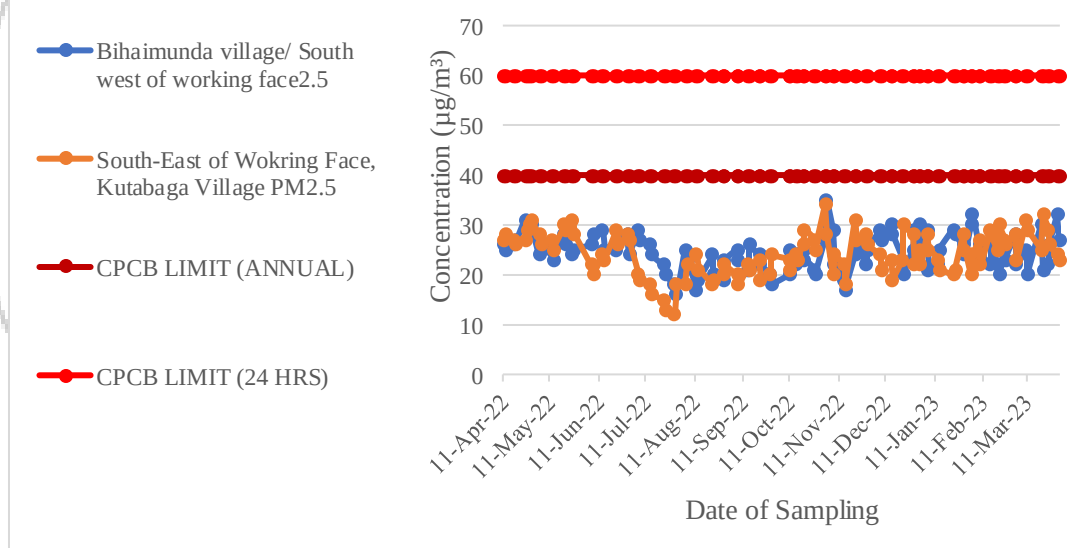
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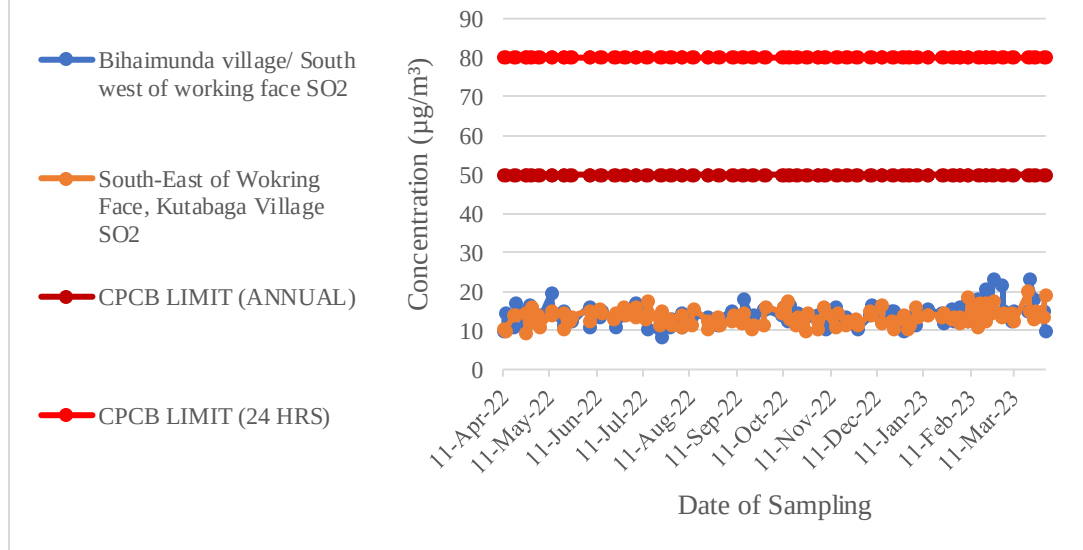
Graph Showing PM₁₀ for Garjanbahal OCP



Graph Showing PM_{2.5} for Garjanbahal OCP



Graph Showing SO_x for Garjanbahal OCP



Graph Showing NO_x for Garjanbahal OCP

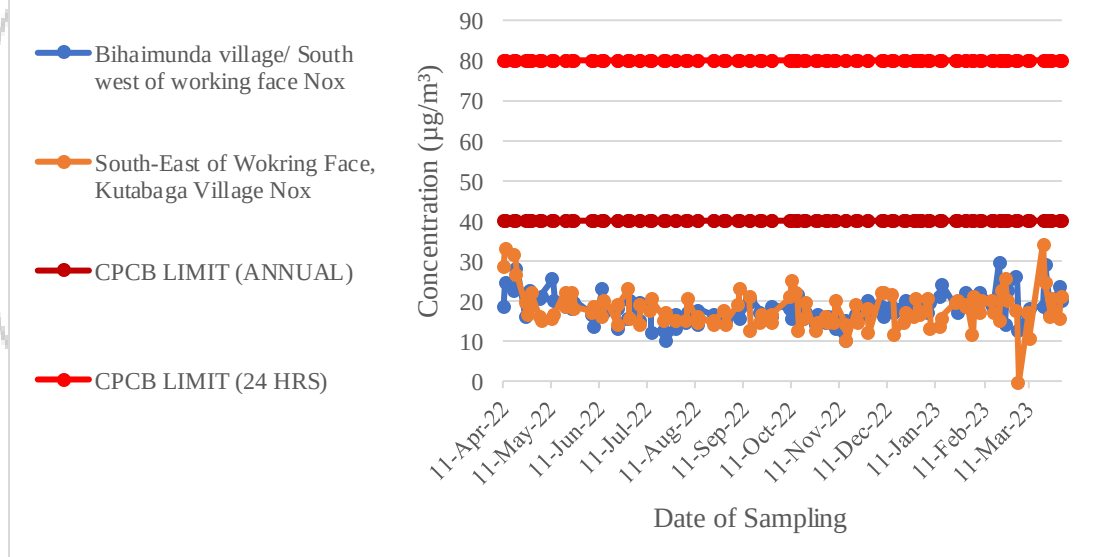


Table: 36

Area: Mahalaxmi**Project:** Basundhara (w) OCP**Monitoring Station:** North of the Sardega Railway Siding

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	162	78	42	12.85	15.39
27-Apr-22	168	94	41	18.69	27.69
07-May-22	168	84	38	10.74	12.38
21-May-22	164	88	38	10.21	16.23
15-Jun-22	174	87	40	17.92	23.63
22-Jun-22	166	88	42	15.29	16.01
06-Jul-22	184	93	42	14.8	21.47
20-Jul-22	184	94	42	13.08	16.58
08-Aug-22	163	83	32	13.08	17.77
25-Aug-22	180	90	38	10.52	14.25
03-Sep-22	175	85	35	13.97	21.23
26-Sep-22	182	90	38	12.7	17.26
03-Oct-22	174	88	36	14.34	20.56
17-Oct-22	192	94	42	11.9	15.78
09-Nov-22	164	83	32	14.61	17.35
23-Nov-22	178	88	36	12.89	17.57
05-Dec-22	168	85	33	13.01	19.01
19-Dec-22	192	97	42	13.67	18.98
11-Jan-23	173	88	34	13.14	21.38
25-Jan-23	186	96	41	16.31	23.14
11-Feb-23	172	87	34	16.76	18.37
21-Feb-23	150	71	26	14.06	15.5
09-Mar-23	165	84	32	16.61	21.82
27-Mar-23	184	94	39	17.1	17.56
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	192	97	42	18.69	27.69
Minimum	150	71	26	10.21	12.38
Average	173.7	87.9	37.3	14.1	18.6
Standard 24 hr	500	250		120	120

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Table: 37

Area: Mahalaxmi**Project:** Basundhara (w) OCP**Monitoring Station:** South West of Working Face
Gopalpur Village, Near CMPDI Camp

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
12-Apr-22	142	74	32	15.6	22.77
27-Apr-22	157	91	38	18.3	25.48
09-May-22	162	80	36	12.4	21.78
23-May-22	174	90	40	13.2	20
15-Jun-22	172	85	38	11.8	19.86
24-Jun-22	175	94	43	13.2	16.6
08-Jul-22	168	84	34	12.9	13.82
21-Jul-22	138	65	25	13.1	15.37
08-Aug-22	146	75	27	13.3	17.24
25-Aug-22	159	80	30	10.2	15.26
05-Sep-22	148	75	28	12	20.94
27-Sep-22	164	84	32	12	15.57
03-Oct-22	170	86	35	12.5	20.32
17-Oct-22	176	88	37	13	16.45
10-Nov-22	163	82	32	13.4	18.13
24-Nov-22	182	92	38	14.1	16.36
06-Dec-22	158	79	29	13.5	22.33
20-Dec-22	176	90	36	14.5	17.06
11-Jan-23	169	85	33	16.2	20.99
25-Jan-23	178	94	38	12.4	18.74
11-Feb-23	165	83	32	11.5	10.67
21-Feb-23	185	95	40	14	11.78
10-Mar-23	192	104	43	14.6	21.96
27-Mar-23	206	110	48	13.5	13.59
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	206	110	48	18.3	25.48
Minimum	138	65	25	10.2	10.67
Average	167.7	86.0	35.2	13.4	18.0
Standard 24 hr	500	250		120	120

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Table: 38

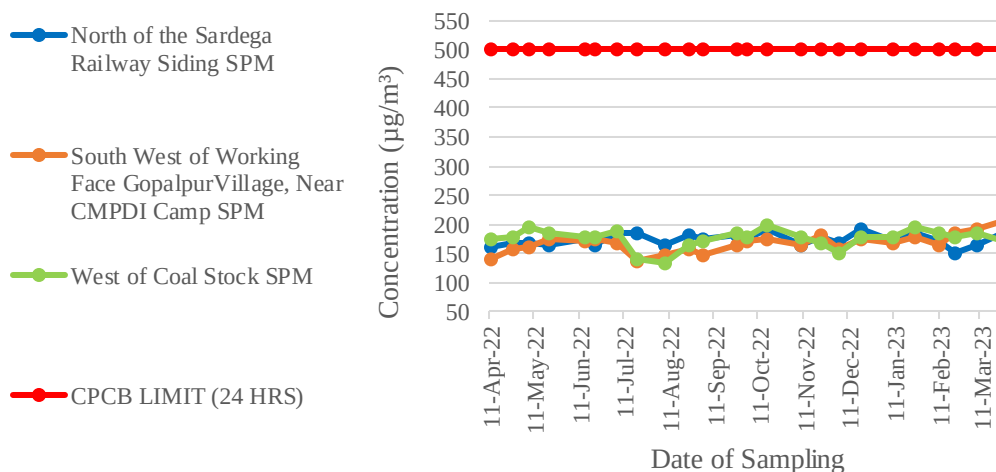
Area: Mahalaxmi**Project:** Basundhara (w) OCP**Monitoring Station:** West of Coal Stock

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	175	95	48	13.6	17.14
27-Apr-22	177	106	45	20.61	26.94
09-May-22	196	98	45	13.78	21.52
23-May-22	184	94	42	15.23	22.56
15-Jun-22	178	92	42	14.48	17.19
23-Jun-22	178	96	44	14.02	14.62
07-Jul-22	188	96	44	11.72	12.97
20-Jul-22	141	69	26	16.44	18.47
08-Aug-22	132	62	22	16.02	20.65
25-Aug-22	164	82	32	13.28	17.52
03-Sep-22	172	83	34	13.57	13.03
26-Sep-22	186	92	40	14.72	18.96
03-Oct-22	178	90	38	17.81	16.54
17-Oct-22	200	98	45	14.25	18.07
09-Nov-22	177	88	37	16.79	18.89
23-Nov-22	167	85	33	13.68	20.45
05-Dec-22	150	74	27	14.98	14.19
19-Dec-22	178	92	37	11.26	17.13
11-Jan-23	178	91	36	13.14	19.1
25-Jan-23	197	102	45	15.27	23.61
11-Feb-23	184	94	39	14.82	20.37
21-Feb-23	178	92	36	16.15	13.42
09-Mar-23	185	97	40	17.64	14.45
27-Mar-23	172	89	34	15.3	21.71
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	200	106	48	20.61	26.94
Minimum	132	62	22	11.26	12.97
Average	175.6	89.9	38.0	14.9	18.3
Standard 24 hr	500	250		120	120

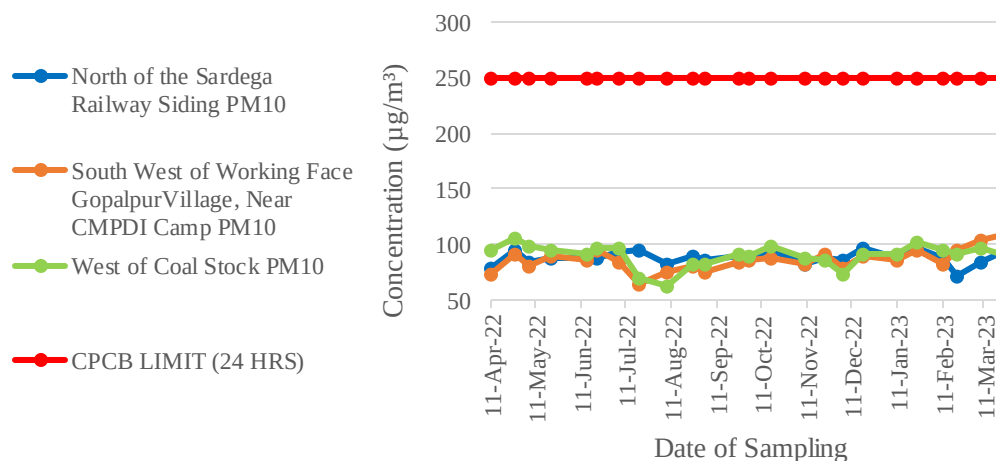
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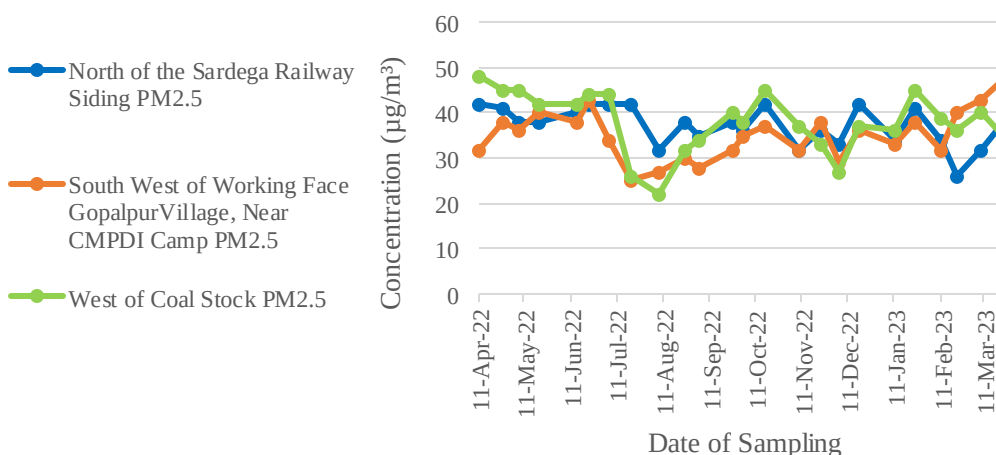
Graph Showing SPM for Basundhara OCP



Graph Showing PM₁₀ for Basundhara OCP



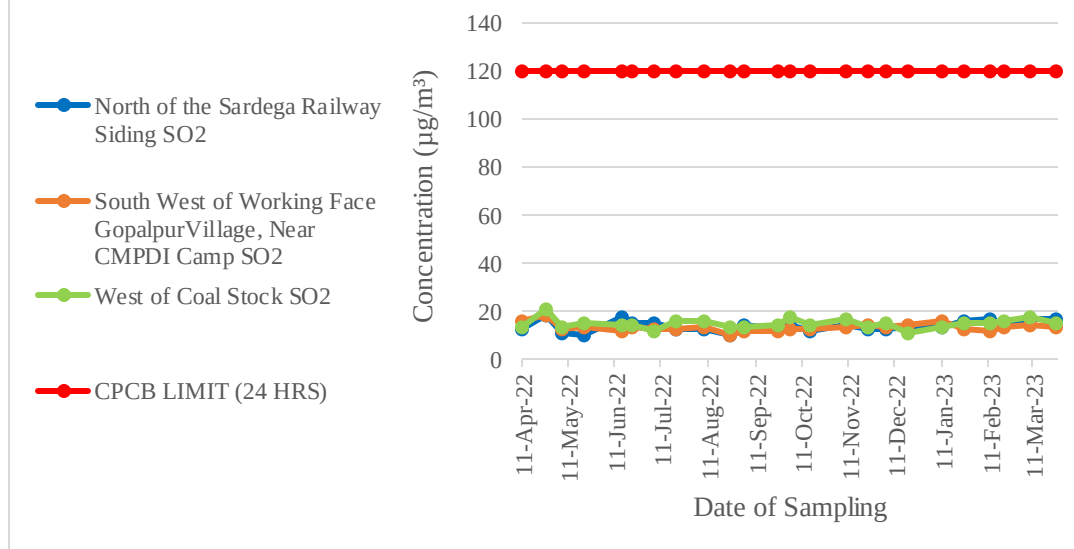
Graph Showing PM_{2.5} for Basundhara OCP



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Graph Showing SO_x for Basundhara OCP



Graph Showing NO_x for Basundhara OCP

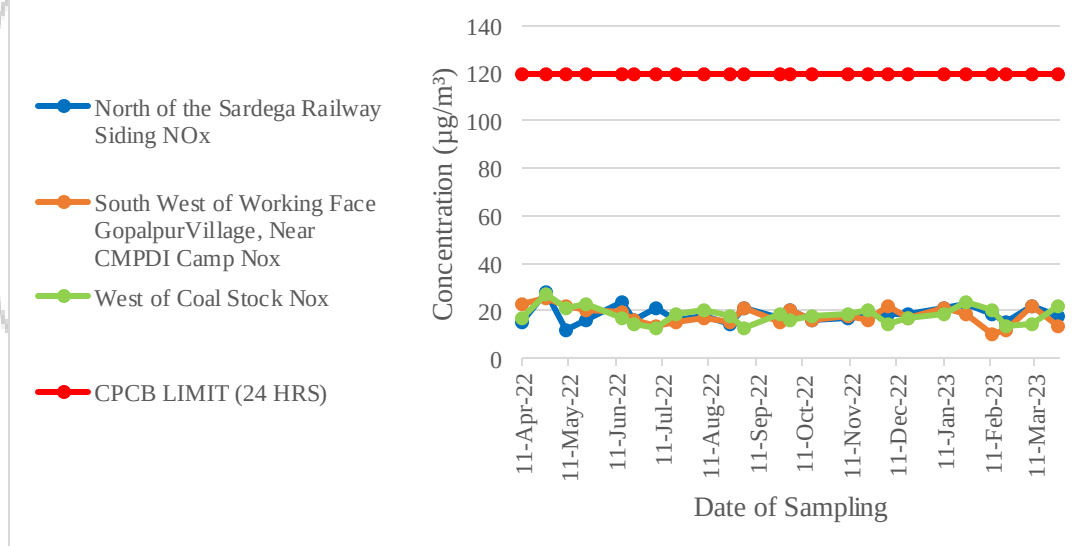


Table: 39

Area: Mahalaxmi**Project:** Basundhara (w) OCP**Monitoring Station:** Sarangijharia Community Centre

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	139	65	25	14.87	23.47
08-Apr-22	134	64	24	12.03	21.34
15-Apr-22	135	62	23	14.87	23.47
16-Apr-22	133	64	24	16.54	25.09
22-Apr-22	139	70	26	13.26	17.28
23-Apr-22	129	67	28	14.26	18.71
29-Apr-22	132	73	29	11.84	19.52
30-Apr-22	130	69	27	14.25	21.08
04-May-22	138	66	26	18.04	23.99
05-May-22	134	64	24	16.95	24.14
11-May-22	132	62	23	14.11	23.03
12-May-22	130	59	22	15.01	28.35
18-May-22	132	62	23	12.23	18.26
19-May-22	143	72	27	11.56	17.23
25-May-22	136	66	25	13.28	22.23
26-May-22	139	68	26	12.23	25.23
06-Jun-22	145	70	28	19.43	23.55
07-Jun-22	143	67	27	16.65	17.47
13-Jun-22	142	66	26	13.55	16.5
14-Jun-22	139	65	25	17.4	19.76
22-Jun-22	136	66	25	15.68	20.43
23-Jun-22	134	62	24	13.59	16.85
29-Jun-22	130	60	22	12.6	17.85
30-Jun-22	128	58	20	12.05	18.43
06-Jul-22	140	68	26	16.96	19.73
07-Jul-22	134	63	24	17.55	21.01
13-Jul-22	132	60	22	13.86	16.76
14-Jul-22	130	57	20	12.38	18.69
22-Jul-22	133	62	22	12.03	15.24
23-Jul-22	127	57	19	14.7	15.33
29-Jul-22	125	55	18	15.16	18.14
30-Jul-22	122	54	16	12.73	15.45
05-Aug-22	128	59	19	14.75	18.71
06-Aug-22	134	65	24	16.97	13.9
12-Aug-22	130	60	20	14.67	19.83
13-Aug-22	132	62	22	14.48	15.41
22-Aug-22	150	75	28	10.23	20.2
23-Aug-22	142	70	26	12.23	17.52
29-Aug-22	145	72	27	10.26	14.25
30-Aug-22	155	78	29	12.52	17.26
07-Sep-22	142	70	26	10.7	16.62
08-Sep-22	138	68	25	14.71	20.1
14-Sep-22	133	62	23	11.45	20.72
15-Sep-22	134	64	24	16.49	18.86
21-Sep-22	134	66	25	12.23	15.5

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JOB NO.750001

22-Sep-22	132	62	22	16.25	13.31
28-Sep-22	130	60	20	14.69	19.85
29-Sep-22	128	54	19	13.1	13.94
10-Oct-22	152	77	28	13.22	19.21
11-Oct-22	144	75	27	16.2	20.99
14-Oct-22	132	64	23	14.55	24.55
15-Oct-22	139	68	25	18.19	19.94
21-Oct-22	144	70	26	14.12	17.42
22-Oct-22	128	62	22	16.3	13.29
28-Oct-22	122	56	18	13.11	17.35
29-Oct-22	126	61	21	15.89	16.65
02-Nov-22	143	78	20	11.26	16.18
03-Nov-22	156	81	34	13.99	15.3
07-Nov-22	175	86	36	10.12	12.01
08-Nov-22	148	74	28	11.38	16.38
14-Nov-22	142	71	26	17.66	20.4
15-Nov-22	137	65	24	12.38	14.69
21-Nov-22	162	83	31	13.99	16.18
22-Nov-22	152	77	29	12.43	11.39
28-Nov-22	148	75	28	10.45	19.18
29-Nov-22	144	74	27	12.76	14.92
07-Dec-22	144	68	25	14.27	21.15
08-Dec-22	142	66	24	14.84	19.6
14-Dec-22	151	75	27	13.91	23.93
15-Dec-22	134	62	21	16.22	18.13
21-Dec-22	137	63	22	12.95	15.25
22-Dec-22	136	60	20	15.55	14.51
28-Dec-22	144	66	24	9.62	17.99
29-Dec-22	131	56	18	13.09	15.57
04-Jan-23	152	71	26	13.04	21.99
05-Jan-23	160	77	29	15.03	16.48
13-Jan-23	154	74	27	15.79	21.71
14-Jan-23	138	65	22	11.09	10.26
20-Jan-23	151	73	26	12.36	16.54
21-Jan-23	143	65	24	11.24	17.46
24-Jan-23	159	79	29	14	19.36
25-Jan-23	142	64	23	12.57	18.37
30-Jan-23	136	60	20	14.96	19.38
31-Jan-23	146	70	25	13.54	18.54
03-Feb-23	150	70	26	14.37	15.05
04-Feb-23	138	72	22	20.03	18.47
08-Feb-23	146	68	25	11.19	15.67
09-Feb-23	133	57	19	14.19	15.75
15-Feb-23	162	82	30	15.89	18.21
16-Feb-23	149	72	26	15.07	17.44
20-Feb-23	162	81	30	16.97	16.59
21-Feb-23	153	74	27	15.29	17.51
24-Feb-23	149	71	26	13.25	16.11
25-Feb-23	143	66	24	18.27	17.44
03-Mar-23	163	81	30	13.84	18.43
04-Mar-23	150	71	26	12.88	15.16
10-Mar-23	134	62	22	15.42	24.14
11-Mar-23	136	60	20	19.28	18.95
20-Mar-23	155	75	28	11.19	18.2

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JOB NO.750001

21-Mar-23	146	68	25	14.74	17.1
24-Mar-23	144	66	24	14.37	14.32
25-Mar-23	164	84	32	11.76	11.34
30-Mar-23	174	68	35	13.49	19.98
31-Mar-23	156	76	28	13.87	17.18
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	175	86	36	20.03	28.35
Minimum	122	54	16	9.62	10.26
Average	141.2	67.5	24.8	14.1	18.2
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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JOB NO.750001

Table: 40

Area: Mahalaxmi**Project:** Basundhara (w) OCP**Monitoring Station:** Ratansara Village

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	145	69	27	12.04	23.91
08-Apr-22	149	71	28	12.76	15.98
15-Apr-22	143	67	27	18.5	15.95
16-Apr-22	141	65	26	13.45	25.33
22-Apr-22	131	69	23	9.01	15.06
23-Apr-22	127	66	24	12.24	17.58
29-Apr-22	126	65	23	12.24	18.17
30-Apr-22	129	67	25	10.45	16.23
04-May-22	144	69	28	17.83	18.72
05-May-22	150	77	30	13.78	20.66
11-May-22	140	67	27	14.48	30.94
12-May-22	146	74	29	16.66	24.08
18-May-22	146	74	28	11.23	17.52
19-May-22	152	79	30	13.23	20.22
25-May-22	148	78	29	10.22	22.32
26-May-22	142	73	27	14.23	20.28
07-Jun-22	140	64	25	13.85	21.63
08-Jun-22	149	73	29	14.21	17.31
13-Jun-22	143	66	26	14.35	16.26
14-Jun-22	147	71	28	16.27	19.72
22-Jun-22	142	68	26	18.63	17.09
23-Jun-22	144	70	27	16.62	19.05
29-Jun-22	135	64	24	13.82	15.09
30-Jun-22	132	61	23	17.18	16.32
06-Jul-22	126	53	18	16.14	19.06
07-Jul-22	131	56	20	18.32	23.75
13-Jul-22	133	61	22	12.36	15.29
14-Jul-22	130	60	21	15.8	18.65
22-Jul-22	118	53	14	14.56	15.18
23-Jul-22	131	61	21	9.51	12.93
29-Jul-22	128	56	18	10.32	13.92
30-Jul-22	124	52	16	12.41	13.84
05-Aug-22	149	76	28	12.6	16.29
06-Aug-22	142	70	26	9.28	12.87
12-Aug-22	130	60	20	13.44	14.78
13-Aug-22	126	58	18	15.05	17.02
22-Aug-22	134	64	24	10.2	14.52
23-Aug-22	138	68	25	11.23	14.26
29-Aug-22	143	72	27	11.22	17.28
30-Aug-22	133	63	23	10.5	13.52
07-Sep-22	132	62	22	13.15	19.1
08-Sep-22	126	56	18	12.45	11.99
14-Sep-22	130	60	20	13.97	15.29
15-Sep-22	131	61	21	17.92	17.03
21-Sep-22	132	62	22	14.91	19.27

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JOB NO.750001

22-Sep-22	125	55	17	1.1	14.01
28-Sep-22	132	61	22	13.5	14.85
29-Sep-22	128	58	19	16.79	18.98
10-Oct-22	129	60	20	14.97	20.58
11-Oct-22	134	64	23	13.44	12.44
14-Oct-22	138	69	25	13.46	14.09
15-Oct-22	126	58	19	18.49	17.05
21-Oct-22	138	67	25	15.99	20.26
22-Oct-22	124	60	20	12.45	16.57
28-Oct-22	140	71	26	17.78	19.35
29-Oct-22	130	63	23	16.88	18.98
02-Nov-22	149	78	28	14.13	17.35
03-Nov-22	158	82	30	13.68	16.36
07-Nov-22	153	78	29	12.27	16.28
08-Nov-22	142	72	26	12.03	16.22
14-Nov-22	158	80	30	17.3	21.06
15-Nov-22	135	66	24	13.69	15.51
21-Nov-22	142	72	26	13.86	17.35
22-Nov-22	153	79	29	13.19	14.76
28-Nov-22	140	70	25	11.26	15.3
29-Nov-22	134	62	23	10.78	16.9
07-Dec-22	136	64	22	15.26	21.39
08-Dec-22	163	82	30	12.99	12.25
14-Dec-22	136	63	22	15.42	16.47
15-Dec-22	130	58	19	19.3	18.15
21-Dec-22	143	65	24	14.14	18.02
22-Dec-22	146	70	25	12.79	14.57
28-Dec-22	152	75	27	13.06	18.07
29-Dec-22	138	63	22	11.61	18.53
04-Jan-23	164	82	30	14.4	15.08
05-Jan-23	158	76	28	18.95	17.48
13-Jan-23	137	62	21	10.99	15.39
14-Jan-23	151	70	26	14.93	16.58
20-Jan-23	146	70	25	10.22	16.93
21-Jan-23	156	76	28	11.09	17.27
24-Jan-23	138	62	22	13.24	20.11
25-Jan-23	135	59	20	14.28	19.88
29-Jan-23	145	69	25	13.64	18.16
30-Jan-23	158	78	29	14.27	19.71
03-Feb-23	147	70	25	9.56	14.26
04-Feb-23	154	73	27	11.58	19.28
08-Feb-23	137	62	21	16.4	17.31
09-Feb-23	135	59	20	15.65	14.22
15-Feb-23	144	66	24	14.62	12.63
16-Feb-23	138	62	22	10.65	14.86
20-Feb-23	144	66	24	13.28	18.3
21-Feb-23	142	63	23	15.43	17.95
24-Feb-23	153	74	27	15.08	22.57
25-Feb-23	143	66	24	15.89	16.31
03-Mar-23	158	79	29	18.34	23.05
04-Mar-23	144	66	24	13.47	10.81
10-Mar-23	154	73	27	15.48	14.41
11-Mar-23	163	82	30	20.75	16.96
20-Mar-23	164	85	32	12.96	18.58

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JOB NO.750001

21-Mar-23	158	79	29	11.8	14.91
24-Mar-23	162	82	30	15.76	16.48
25-Mar-23	176	90	35	14.17	14.98
30-Mar-23	168	86	33	14.47	17.31
31-Mar-23	165	84	32	9.5	18.64
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	176	90	35	20.75	30.94
Minimum	118	52	14	1.1	10.81
Average	141.8	68.1	24.8	13.8	17.3
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

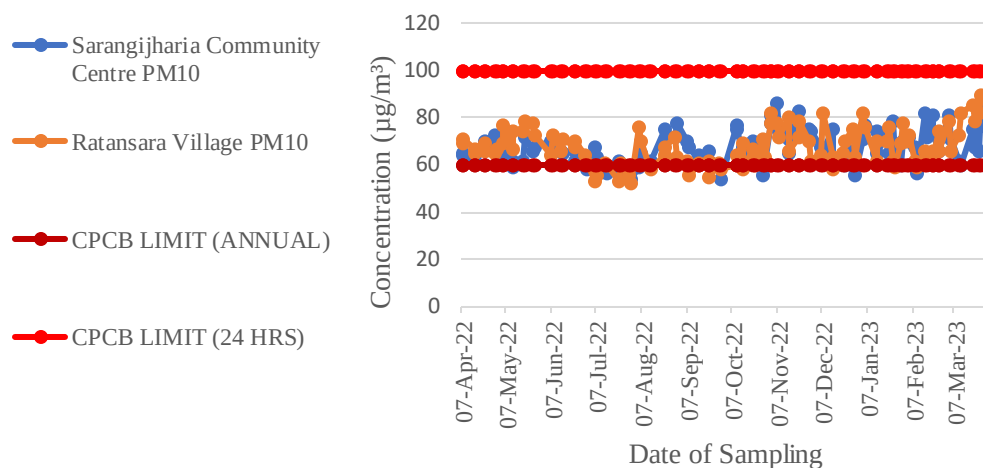


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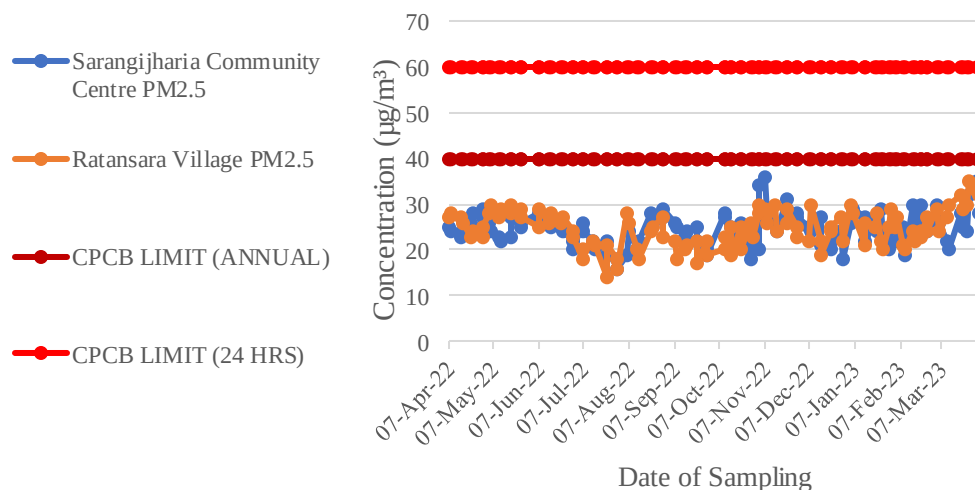
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JOB NO.750001

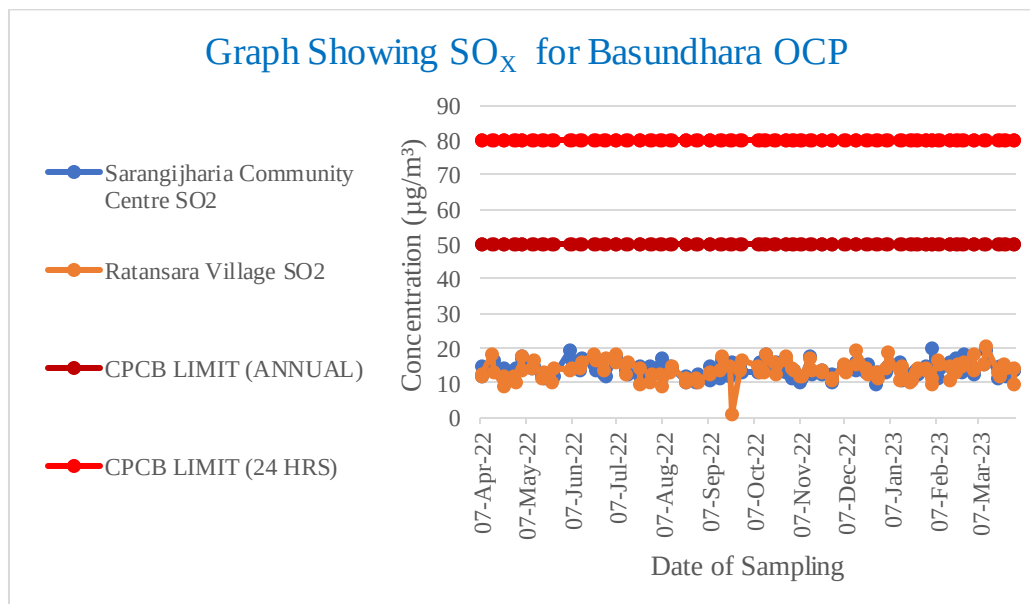
Graph Showing PM₁₀ for Basundhara OCP



Graph Showing PM_{2.5} for Basundhara OCP



Graph Showing SO_x for Basundhara OCP



Graph Showing NO_x for Basundhara OCP

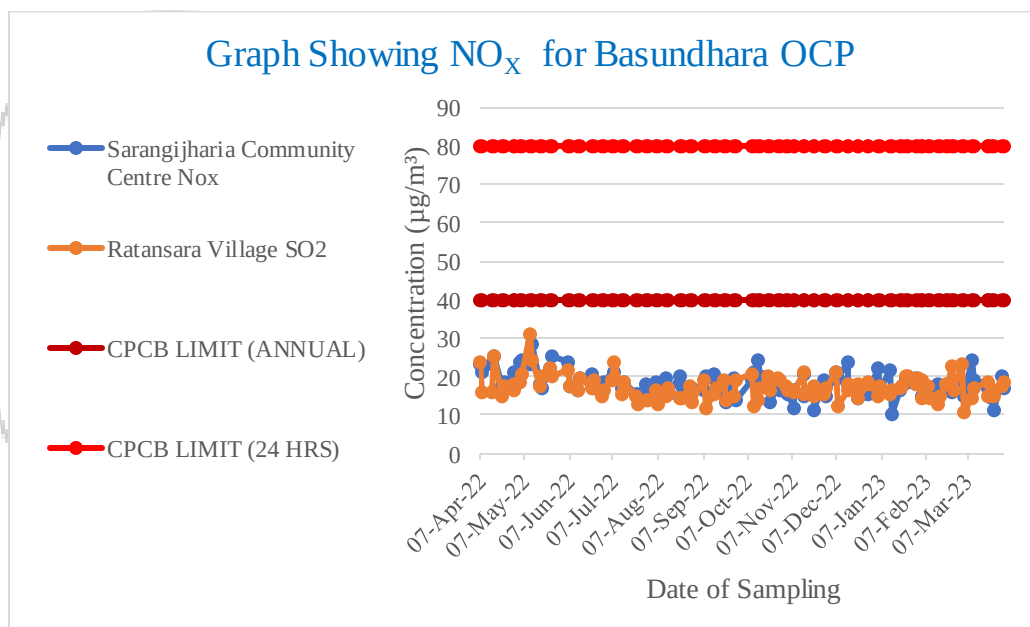


Table: 41

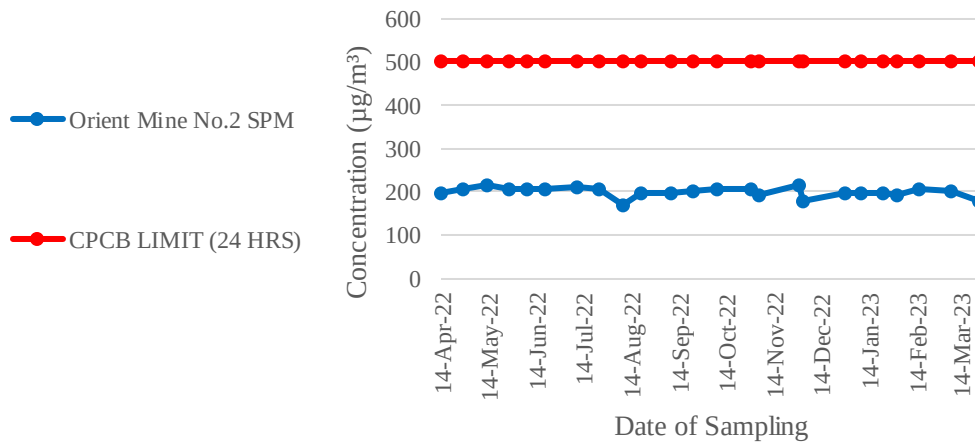
Area: Orient**Project:** Orient Mine No.1 & 2**Monitoring Station:** Orient Mine No.2

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
14-Apr-22	198	116	52	11.26	19.1
28-Apr-22	207	120	57	16.38	23.25
13-May-22	215	118	55	17.19	19.59
27-May-22	206	114	50	13.52	25.22
08-Jun-22	207	115	52	14.75	13.87
20-Jun-22	206	144	54	11.57	14.88
11-Jul-22	212	110	50	12.14	15.88
25-Jul-22	208	114	52	10.02	13.23
09-Aug-22	168	88	36	12.62	12.37
20-Aug-22	198	104	46	10.52	15.26
09-Sep-22	196	98	44	17.81	15.22
23-Sep-22	200	102	46	12.55	12.3
08-Oct-22	204	103	47	13.54	12.89
30-Oct-22	204	104	48	17.45	16.88
05-Nov-22	192	98	44	13.26	17.89
30-Nov-22	214	115	52	12.14	10.64
03-Dec-22	178	93	37	13.15	12.76
30-Dec-22	198	105	46	12.23	13.39
09-Jan-23	198	103	46	13.59	15.73
23-Jan-23	198	100	45	16.44	22.56
01-Feb-23	194	98	43	12.08	14.91
16-Feb-23	206	104	47	16.87	17.58
09-Mar-23	202	70	46	16.04	13.44
27-Mar-23	180	93	37	14.14	20.32
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	215	144	57	17.81	25.22
Minimum	168	70	36	10.02	10.64
Average	199.5	105.4	47.2	13.8	16.2
Standard 24 hr	500	250		120	120

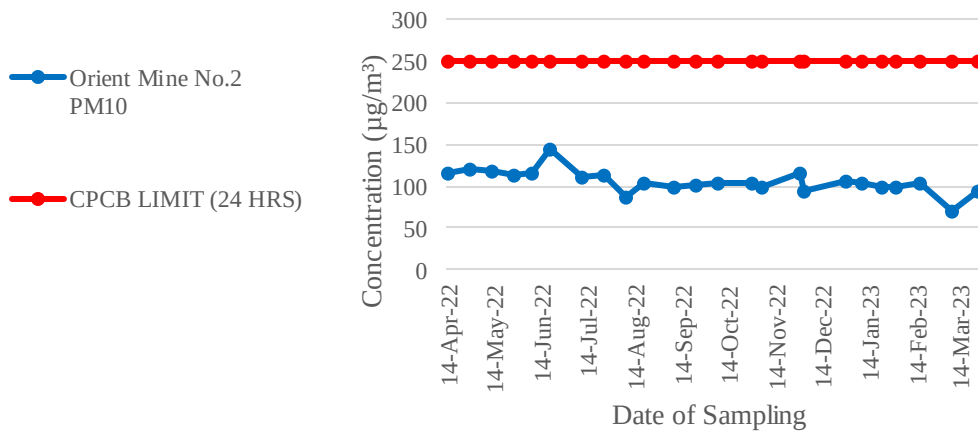
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JOB NO.750001

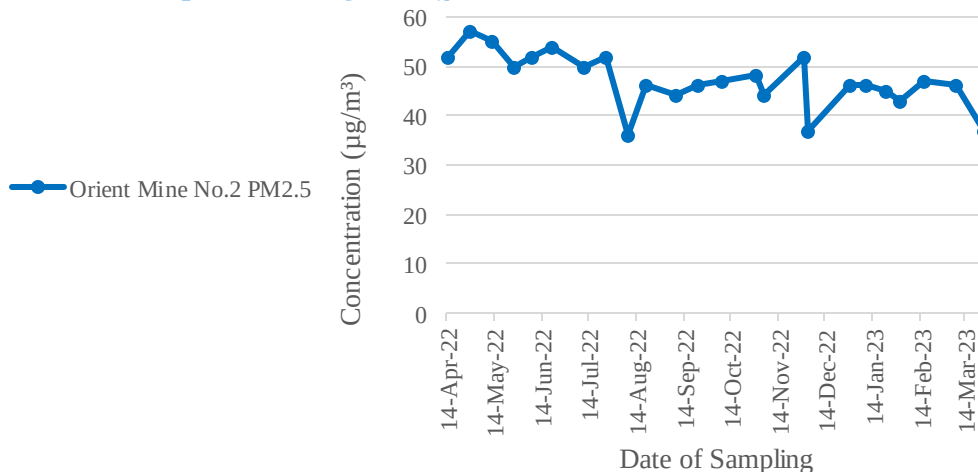
Graph Showing SPM for Orient Mine No.1&2



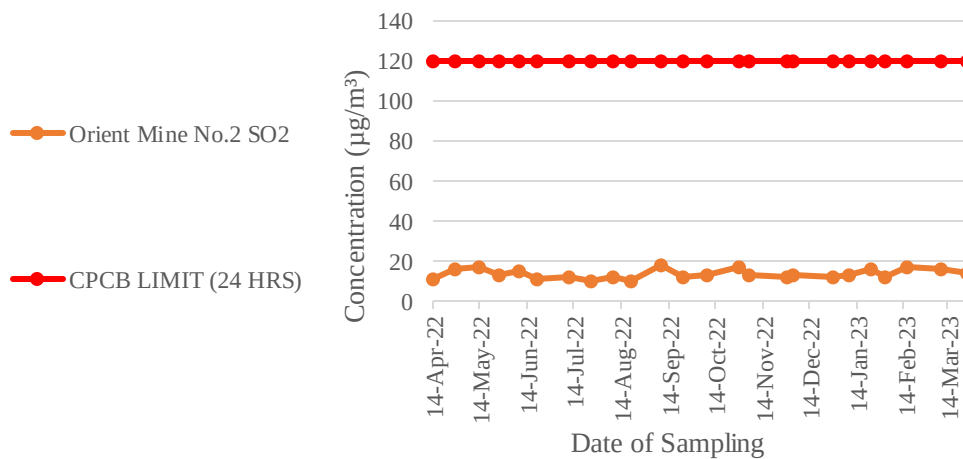
Graph Showing PM₁₀ for Orient Mine No.1&2



Graph Showing PM_{2.5} for Orient Mine No.1&2



Graph Showing SO₂ for Orient Mine No.1&2



Graph Showing NO_x for Orient Mine No.1&2

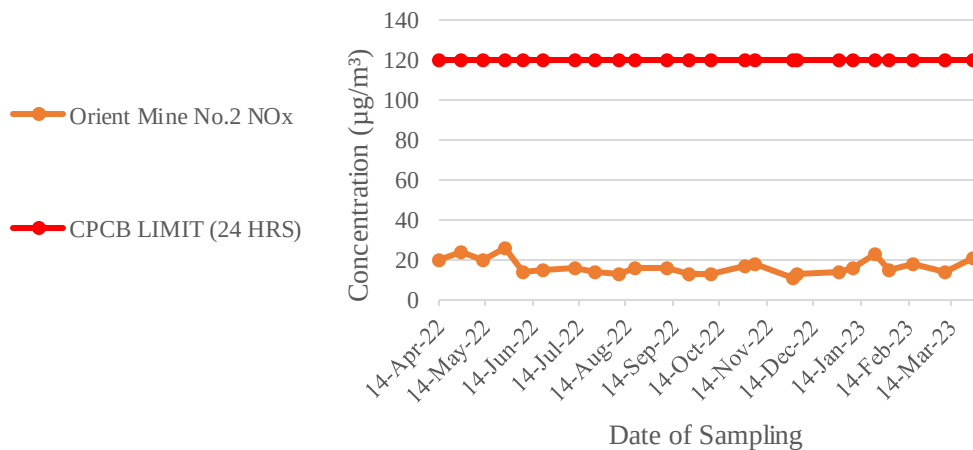


Table: 42

Area: Orient**Project:** Orient Mine No.1 & 2**Monitoring Station:** VIP Guest House IB Valley (Reported Only)

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	137	61	23	13.91	21.11
06-Apr-22	142	66	24	11.53	19.38
13-Apr-22	151	62	23	10.7	28.51
14-Apr-22	156	67	25	10.55	16.9
20-Apr-22	134	74	23	9.21	16.23
21-Apr-22	138	79	27	10.09	19.25
27-Apr-22	135	75	24	8.17	16.38
28-Apr-22	133	76	26	10.56	17.19
02-May-22	136	67	25	12.6	21.56
03-May-22	133	65	24	10.6	24.5
09-May-22	130	63	22	11.85	29.47
10-May-22	132	61	23	12.91	31.42
16-May-22	135	65	25	14.59	23.89
17-May-22	133	62	24	11.23	24.52
23-May-22	139	68	26	13.66	20.52
24-May-22	131	61	23	15.45	22.55
03-Jun-22	158	79	32	15.56	18.47
04-Jun-22	154	77	30	17.04	16.71
10-Jun-22	147	72	28	15.56	23.75
11-Jun-22	150	75	29	14.08	19.35
20-Jun-22	139	68	26	14.59	18.91
21-Jun-22	147	72	28	11.59	12.63
27-Jun-22	150	75	28	14.59	18.43
28-Jun-22	143	69	27	16.61	17.24
04-Jul-22	148	76	28	14.42	16.02
05-Jul-22	144	74	27	11.12	17.54
11-Jul-22	142	71	26	10.45	12.13
12-Jul-22	140	66	25	15.51	16.75
20-Jul-22	142	70	26	12.61	16.52
21-Jul-22	135	64	24	10.82	13.09
27-Jul-22	130	60	20	12.71	16.55
28-Jul-22	144	72	27	11.02	15.96
03-Aug-22	123	54	17	10.29	12.02
04-Aug-22	135	64	24	17.31	21.32
10-Aug-22	142	68	26	19.06	24.95
11-Aug-22	148	76	28	14.51	17.48
18-Aug-22	129	59	19	13.52	17.55
19-Aug-22	122	54	16	15.23	17.52
26-Aug-22	133	63	22	15.21	19.23
27-Aug-22	130	60	20	10.52	14.22
05-Sep-22	140	69	26	15.09	15.29
06-Sep-22	144	73	27	11.4	15.28
12-Sep-22	148	75	28	15.41	20.53
13-Sep-22	138	66	25	12.34	23.98
19-Sep-22	150	75	28	9.6	11.21

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JOB NO.750001

20-Sep-22	154	78	29	13.19	16.24
26-Sep-22	141	71	26	13.27	17.38
27-Sep-22	138	68	25	11.15	13.43
06-Oct-22	154	78	29	12.71	14.32
07-Oct-22	146	74	27	13.5	15.62
12-Oct-22	142	72	26	15.31	20.2
13-Oct-22	128	65	24	11.9	21.5
21-Oct-22	142	71	26	11.66	13.06
22-Oct-22	134	65	24	16.55	20.13
28-Oct-22	128	62	22	15.03	19.47
29-Oct-22	132	64	23	13.84	16.3
03-Nov-22	140	69	25	16.25	18.21
04-Nov-22	134	63	22	14.25	17.52
11-Nov-22	127	56	18	13.65	16.23
12-Nov-22	131	60	20	12.56	13.56
18-Nov-22	135	66	24	10.46	16.4
19-Nov-22	151	75	28	13.46	17.81
25-Nov-22	143	70	26	10.93	13.48
26-Nov-22	155	79	29	11.84	11.77
28-Nov-22	120	68	27	13.03	17.83
29-Nov-22	135	74	30	12.01	14.88
05-Dec-22	135	63	22	13.56	15.57
06-Dec-22	132	59	20	13.18	15.55
12-Dec-22	127	56	18	15.09	20.31
13-Dec-22	148	71	26	15.05	27.74
19-Dec-22	140	64	23	13.22	11.8
20-Dec-22	147	70	25	12.47	19.9
26-Dec-22	158	79	29	13.86	18.67
27-Dec-22	153	74	27	11.03	13.85
04-Jan-23	137	64	23	16.36	21.59
05-Jan-23	150	72	26	14.63	26.45
11-Jan-23	135	60	20	14.82	17.24
12-Jan-23	157	76	28	17.24	18.02
18-Jan-23	135	61	20	11.28	16.47
19-Jan-23	156	76	28	10.66	17.84
27-Jan-23	150	72	26	11.47	18.67
28-Jan-23	138	63	22	13.61	19.61
01-Feb-23	157	78	29	15.49	19.63
02-Feb-23	140	64	23	15.89	14.76
06-Feb-23	156	76	28	13.63	17.25
07-Feb-23	135	59	20	13	20.53
12-Feb-23	135	60	20	15.42	18.47
13-Feb-23	163	82	30	12.26	18.09
22-Feb-23	143	66	24	11.53	11.49
23-Feb-23	136	59	20	13.11	20.23
27-Feb-23	149	68	26	11.53	16.03
28-Feb-23	138	63	23	16.93	18.47
03-Mar-23	156	83	28	16.15	16.29
04-Mar-23	142	27	23	14.53	15.11
10-Mar-23	149	70	26	17.48	21.05
11-Mar-23	137	61	22	14.64	24.68
16-Mar-23	147	68	25	11.65	21.04
17-Mar-23	168	76	33	15.06	19.75
22-Mar-23	162	68	30	19.5	16.77

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23-Mar-23	155	63	28	20.32	13.4
28-Mar-23	153	63	27	16.37	20.19
29-Mar-23	137	63	21	21.14	17.64
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	168	83	33	21.14	31.42
Minimum	120	27	16	8.17	11.21
Average	141.7	67.8	24.9	13.6	18.2
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

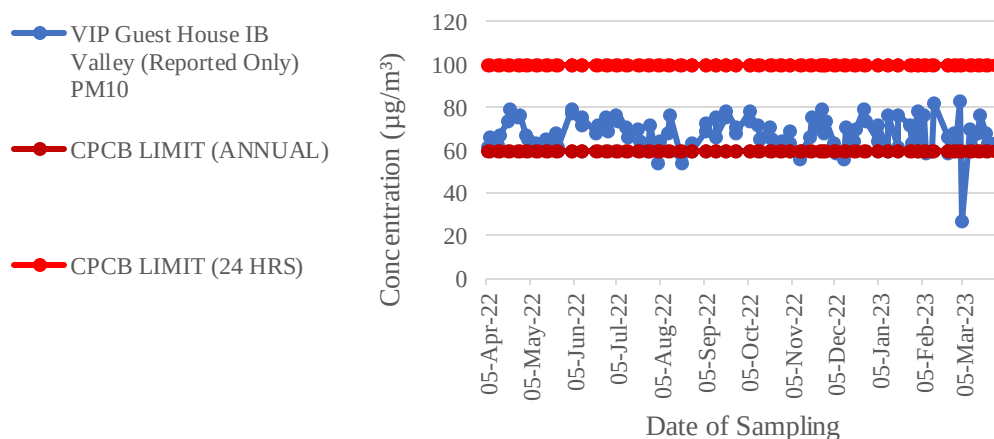


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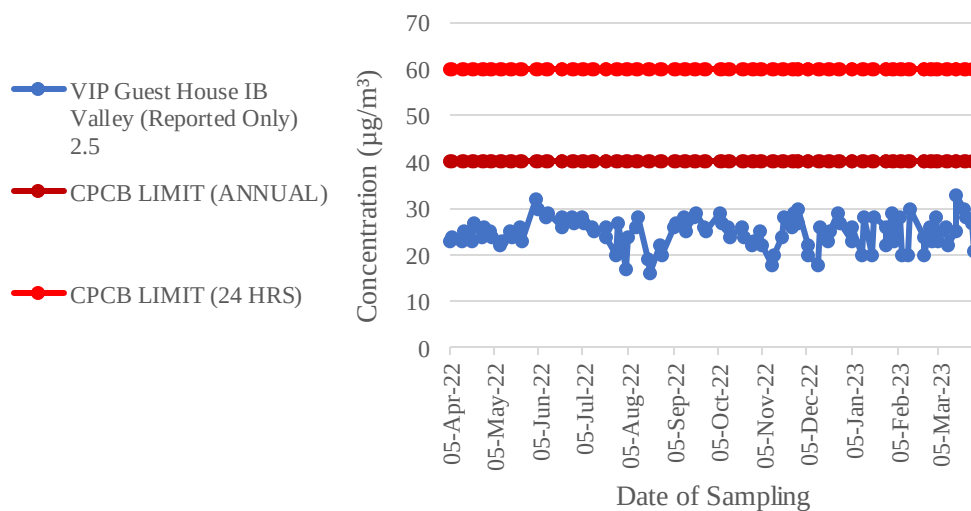
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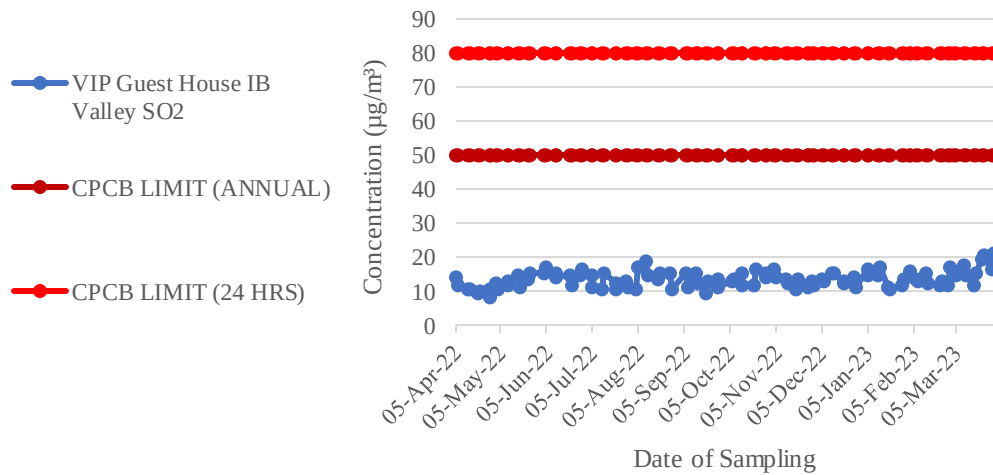
Graph Showing PM₁₀ for Orient Mine No.1&2 OCP



Graph Showing PM_{2.5} for Orient Mine No.1&2 OCP



Graph Showing SO_x for Orient Mine No.1&2 OCP



Graph Showing NO_x for Orient Mine No.1&2 OCP

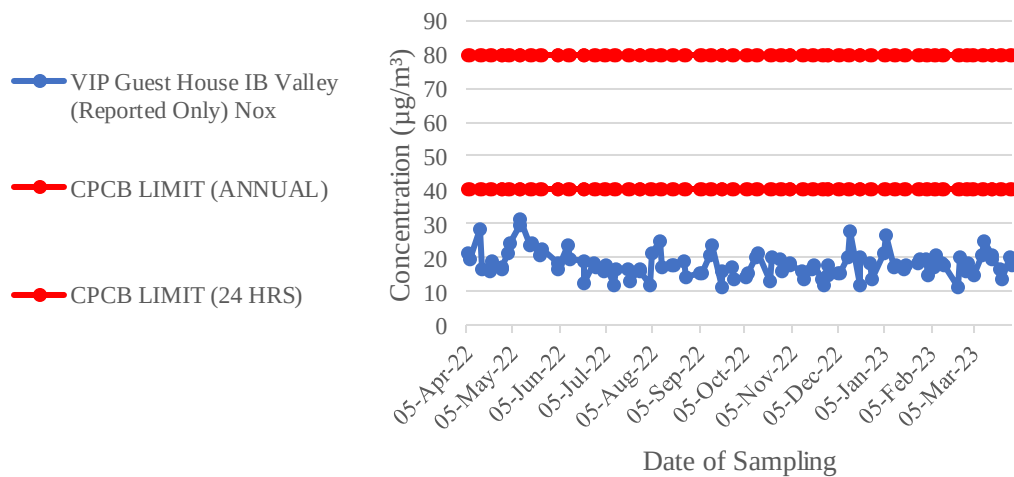


Table: 43

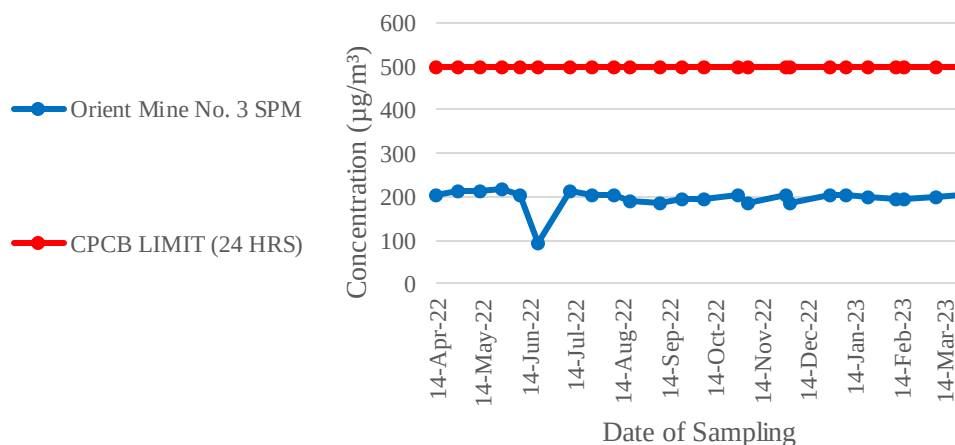
Area: Orient**Project:** Orient Mine No. 3**Monitoring Station:** Orient Mine No. 3

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
14-Apr-22	204	118	50	14.13	22.74
28-Apr-22	212	122	54	19.21	26.54
13-May-22	212	114	53	12.95	21.66
27-May-22	216	119	54	11.44	25.26
08-Jun-22	202	106	50	16.52	17.91
20-Jun-22	96	111	50	17.25	18.7
11-Jul-22	214	112	52	12.77	15.02
25-Jul-22	204	110	50	13.31	17.25
09-Aug-22	206	114	50	11.27	13.99
20-Aug-22	190	94	42	13.55	15.88
09-Sep-22	188	92	40	12.76	16.67
23-Sep-22	194	95	43	9.66	11.99
08-Oct-22	194	98	43	14.1	16.41
30-Oct-22	204	100	46	10.99	13.08
05-Nov-22	186	94	42	13.22	17.61
30-Nov-22	206	108	48	14.28	14.85
03-Dec-22	185	96	40	14.44	17.13
30-Dec-22	204	109	48	11.56	11.7
09-Jan-23	205	108	48	11.26	11.22
23-Jan-23	198	102	46	15.88	20.34
11-Feb-23	195	100	44	10.06	14.47
16-Feb-23	194	99	43	10.31	18.77
09-Mar-23	198	108	45	15.13	15.85
27-Mar-23	204	108	46	18.04	11.99
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	216	122	54	19.21	26.54
Minimum	96	92	40	9.66	11.22
Average	196.3	105.7	47.0	13.5	17.0
Standard 24 hr	500	250		120	120

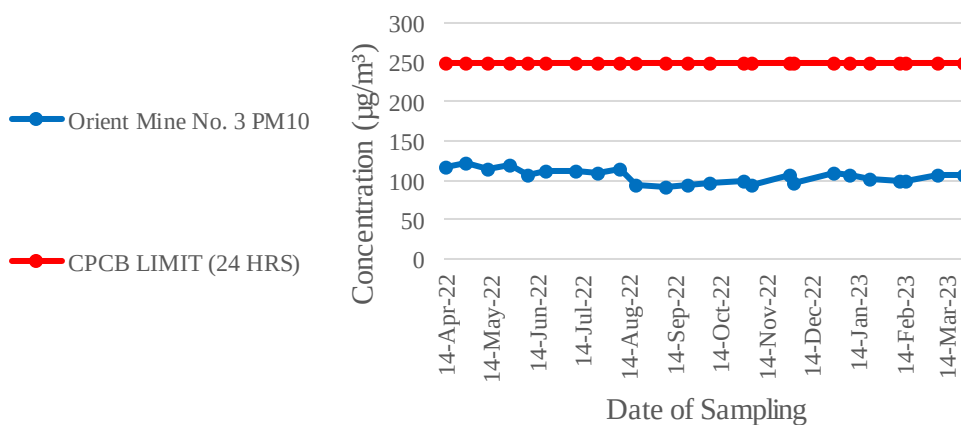
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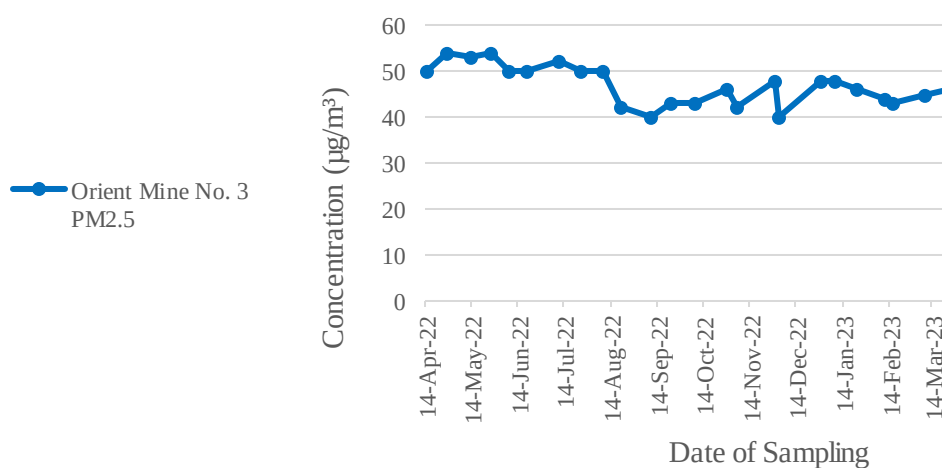
Graph Showing SPM for Orient Mine No.3



Graph Showing PM₁₀ for Orient Mine No.3



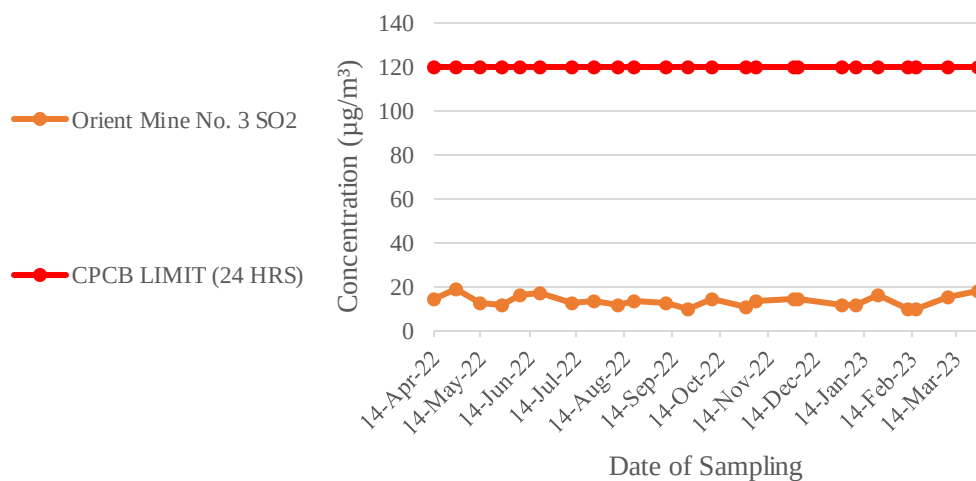
Graph Showing PM_{2.5} for Orient Mine No.3



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Graph Showing SO_x for Orient Mine No.3



Graph Showing NO_x for Orient Mine No.3

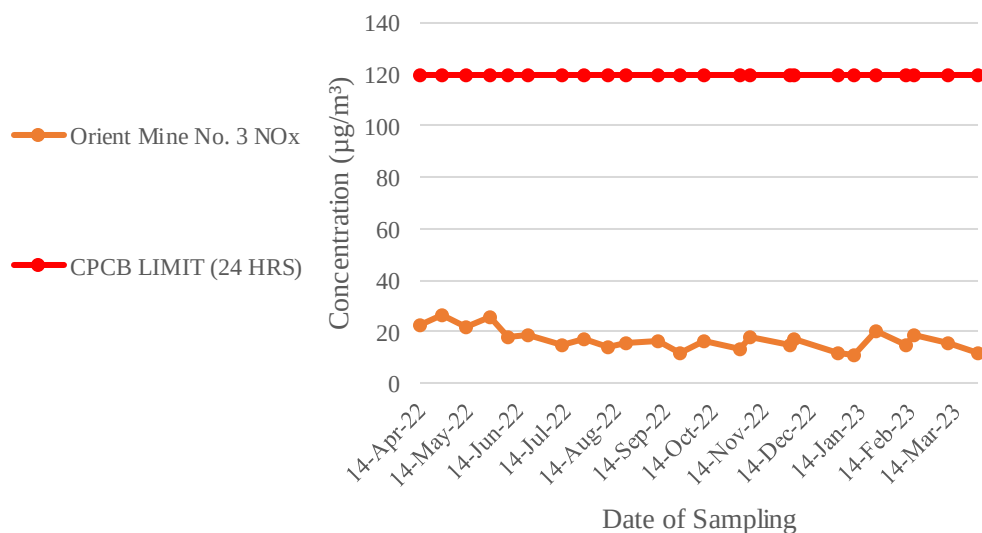


Table: 44

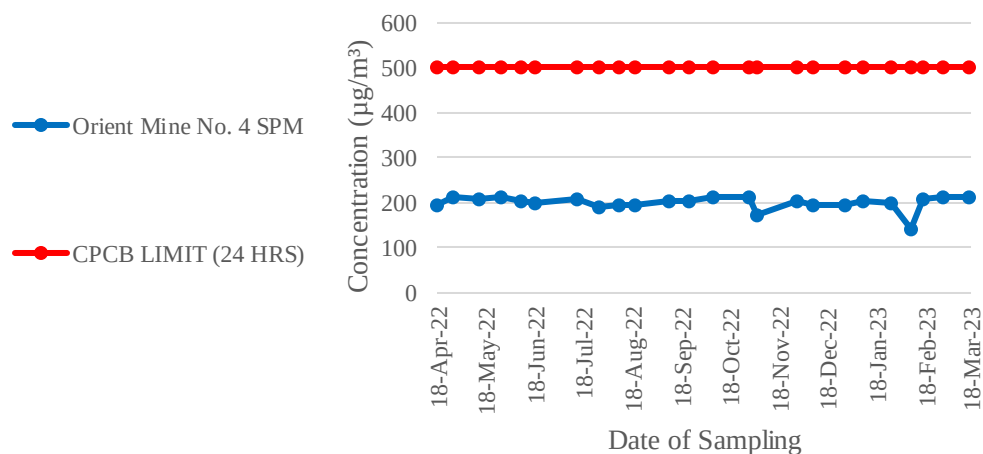
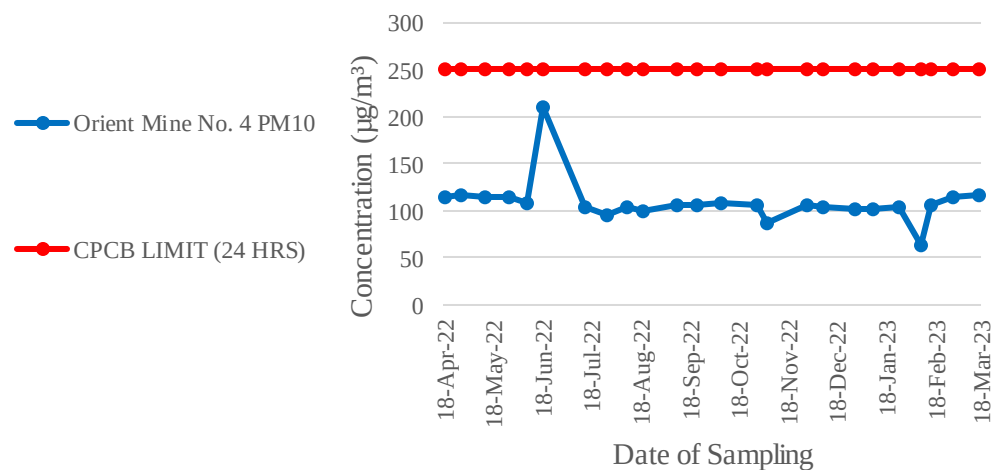
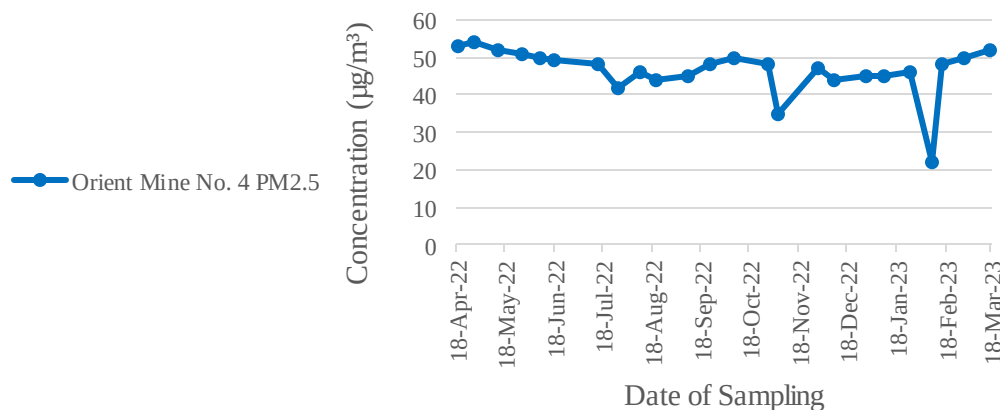
Area: Orient**Project:** Orient Mine No. 4**Monitoring Station:** Orient Mine No. 4

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
18-Apr-22	195	115	53	13.5	19.09
28-Apr-22	214	117	54	20.14	27.39
14-May-22	209	115	52	15.68	18.61
28-May-22	210	114	51	12.2	25.65
09-Jun-22	204	108	50	14.3	20.53
18-Jun-22	198	210	49	15.44	16.58
15-Jul-22	206	104	48	12.35	13.18
28-Jul-22	188	95	42	11.77	15.22
10-Aug-22	196	104	46	15.76	18.54
20-Aug-22	194	100	44	11.52	15.22
10-Sep-22	202	106	45	14.32	18.34
23-Sep-22	204	105	48	12	14.11
08-Oct-22	210	108	50	11.34	17.92
30-Oct-22	214	106	48	14.91	17.25
05-Nov-22	172	86	35	16.26	18.55
30-Nov-22	203	105	47	12	16.32
10-Dec-22	194	104	44	12.16	19.6
30-Dec-22	196	102	45	12.6	15.61
10-Jan-23	201	101	45	13.68	12.3
27-Jan-23	198	104	46	14.78	20.44
09-Feb-23	139	63	22	13.26	23.8
16-Feb-23	208	106	48	16.18	23.38
01-Mar-23	212	115	50	12.69	18.49
18-Mar-23	214	116	52	15.92	23.11
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	214	210	54	20.14	27.39
Minimum	139	63	22	11.34	12.3
Average	199.2	108.7	46.4	13.9	18.7
Standard 24 hr	500	250		120	120

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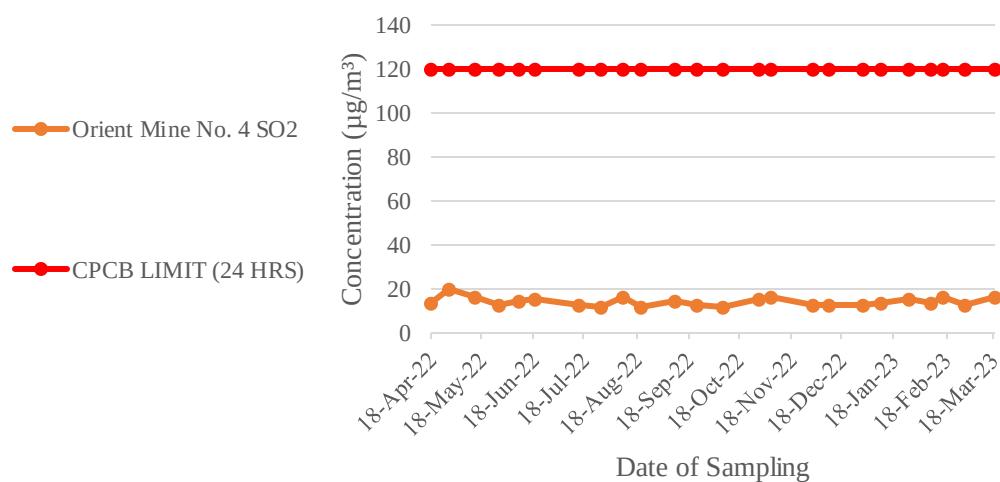
Graph Showing SPM for Orient Mine No.4

Graph Showing PM₁₀ for Orient Mine No.4Graph Showing PM_{2.5} for Orient Mine No.4

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Graph Showing SO₂ for Orient Mine No.4



Graph Showing NO_x for Orient Mine No.4

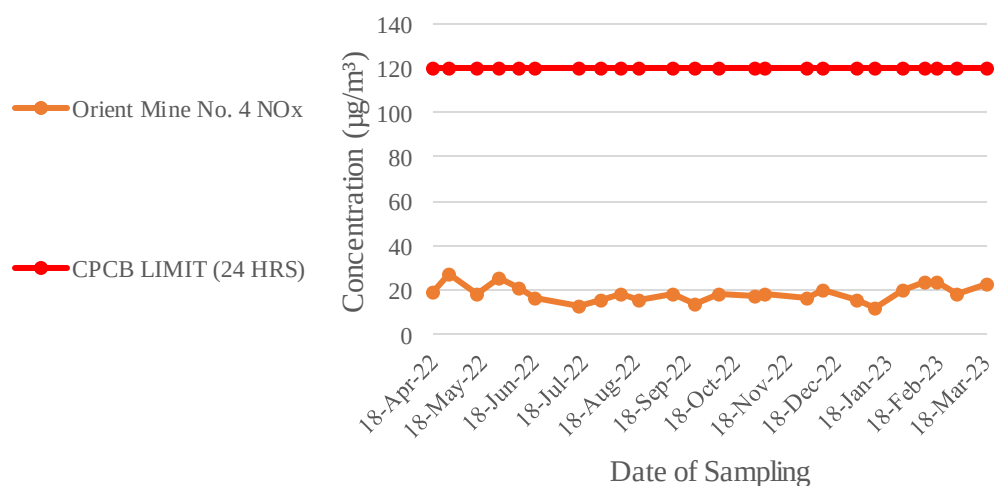


Table: 45

Area: Orient**Project:** Hirakand Bundia Mine (HBM)**Monitoring Station:** Bundia Colony Pump House

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
18-Apr-22	161	93	39	14.58	22.75
28-Apr-22	204	113	57	19.17	28.09
14-May-22	168	83	37	10.59	21.64
28-May-22	194	103	45	11.52	17.52
09-Jun-22	163	81	35	16.65	21.15
21-Jun-22	170	93	42	14.26	19.07
12-Jul-22	174	88	38	12.91	13.71
27-Jul-22	118	48	15	11.38	13.05
10-Aug-22	182	94	40	12.17	13.64
20-Aug-22	125	56	18	12.52	17.52
10-Sep-22	141	70	26	12.18	11.73
24-Sep-22	152	77	29	12.51	14.01
08-Oct-22	166	84	32	12.6	12.56
30-Oct-22	158	77	34	16.87	18.6
05-Nov-22	153	77	29	10.25	15.23
30-Nov-22	198	106	46	11.43	17.07
10-Dec-22	172	87	36	12.87	13.07
30-Dec-22	172	85	33	14.05	17.26
10-Jan-23	172	88	34	11.11	15.45
24-Jan-23	180	93	38	15.5	22.45
09-Feb-23	163	91	36	14.94	12.79
25-Feb-23	171	88	34	13.12	16.63
13-Mar-23	178	91	36	11.73	10.2
18-Mar-23	179	92	37	20.93	13.16
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	204	113	57	20.93	28.09
Minimum	118	48	15	10.25	10.2
Average	167.3	85.8	35.3	13.6	16.6
Standard 24 hr	500	250		120	120

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Table: 46

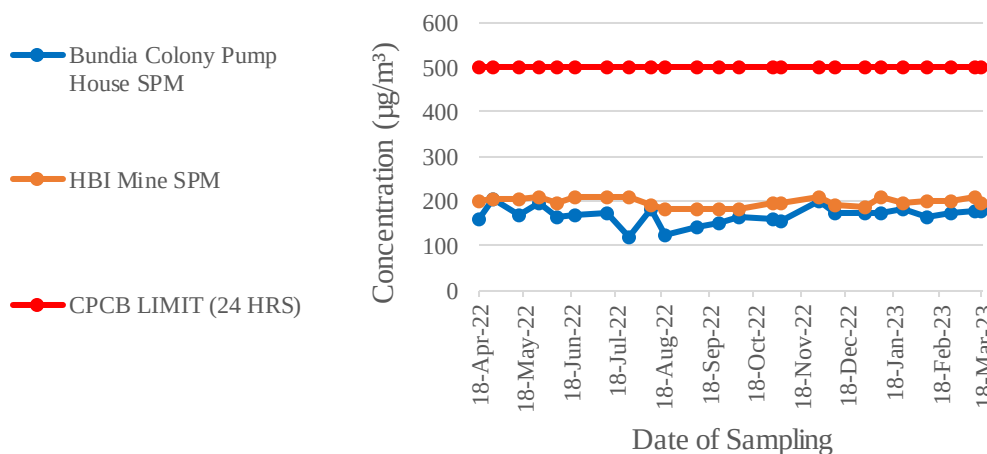
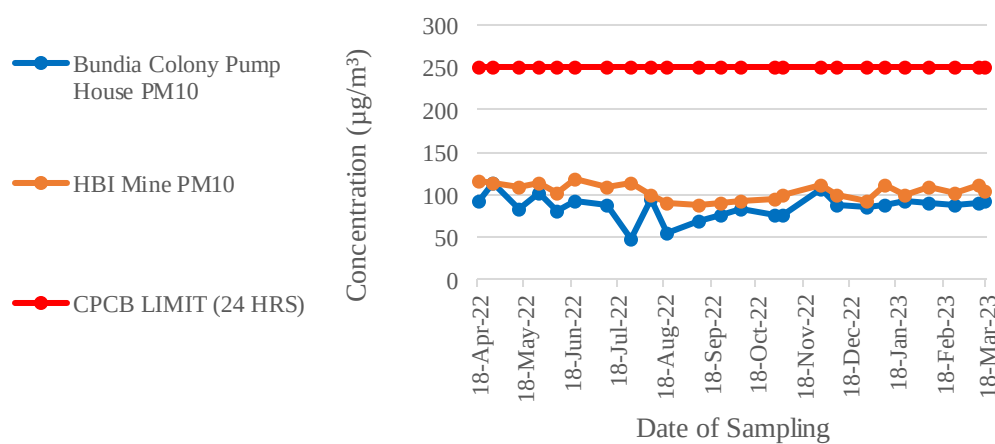
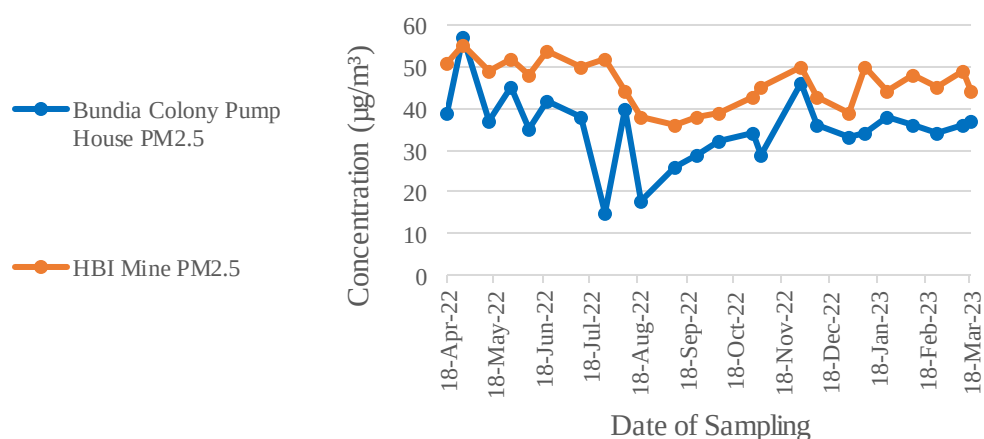
Area: Orient**Project:** Hirakand Bundia Mine (HBM)**Monitoring Station:** HBI Mine

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
18-Apr-22	201	116	51	12.36	25.47
28-Apr-22	205	114	55	18.23	26.18
13-May-22	203	110	49	17.81	25.38
27-May-22	209	115	52	12.86	20.52
09-Jun-22	197	103	48	14.57	15.57
21-Jun-22	210	118	54	15.18	17.46
12-Jul-22	210	110	50	11.55	12.68
27-Jul-22	210	115	52	12.47	15.66
09-Aug-22	192	100	44	14.86	17.75
20-Aug-22	182	90	38	10.52	14.25
09-Sep-22	182	87	36	14.71	17.63
24-Sep-22	181	90	38	13.75	17.36
08-Oct-22	184	93	39	17.42	18.21
30-Oct-22	194	95	43	15.26	18.91
05-Nov-22	195	101	45	12.56	14.62
30-Nov-22	210	112	50	13.03	15.73
10-Dec-22	190	101	43	18.42	19.63
30-Dec-22	188	93	39	15.44	16.34
09-Jan-23	210	112	50	12.89	19.9
24-Jan-23	194	99	44	11.2	19.64
11-Feb-23	202	109	48	10.48	10.79
25-Feb-23	198	103	45	11.7	14.44
11-Mar-23	208	112	49	19.66	18.42
18-Mar-23	195	105	44	20.18	16.54
Basic Stats	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	210	118	55	20.18	26.18
Minimum	181	87	36	10.48	10.79
Average	197.9	104.3	46.1	14.5	17.9
Standard 24 hr	500	250		120	120

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Graph Showing SPM for HBM

Graph Showing PM_{10} for HBMGraph Showing $\text{PM}_{2.5}$ for HBM

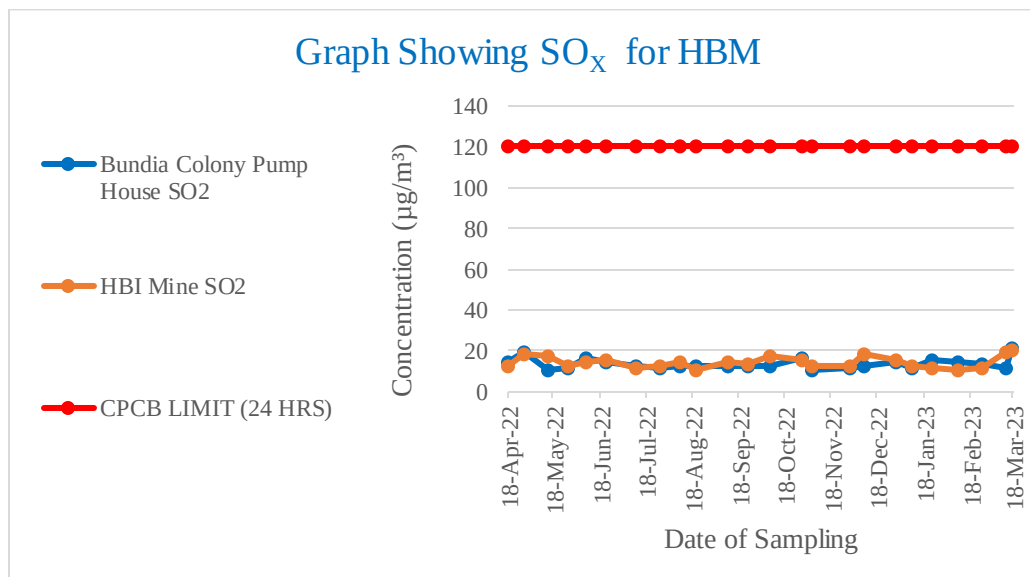
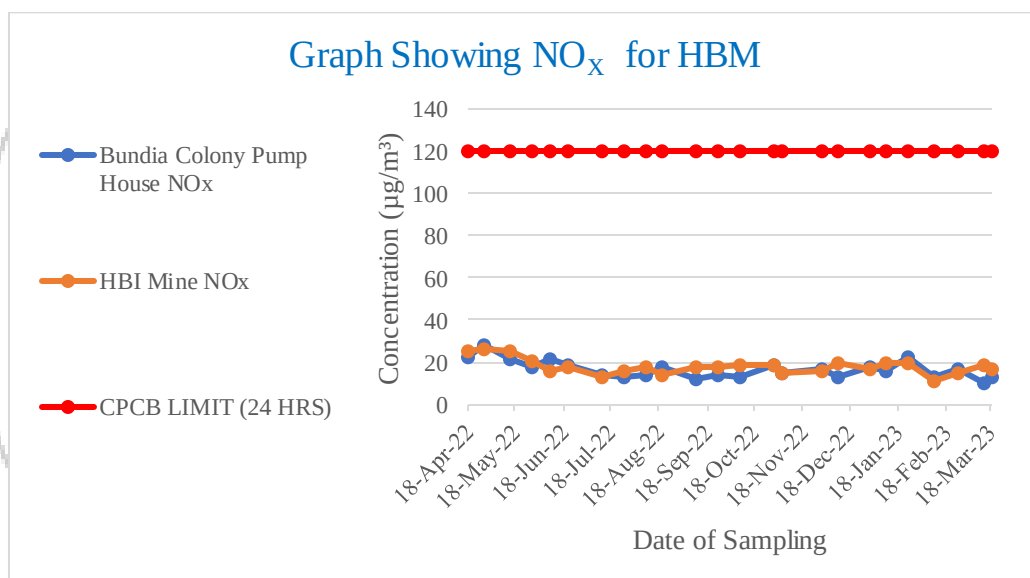
Graph Showing SO_x for HBMGraph Showing NO_x for HBM

Table: 47

Area: Orient**Project:** Hirakand Bundia Mine (HBM)**Monitoring Station:** Rampur Sub Area

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	151	67	25	16.39	29.83
12-Apr-22	153	68	26	12.49	31.32
18-Apr-22	149	69	26	10.5	25.23
19-Apr-22	145	66	27	13.31	26.99
25-Apr-22	139	72	25	10.25	16.23
26-Apr-22	141	74	24	14.25	19.32
28-Apr-22	143	76	26	12.31	18.36
29-Apr-22	145	78	27	12.04	18.26
06-May-22	143	73	28	15.05	18.64
07-May-22	140	71	27	15.34	16.48
13-May-22	138	68	26	13.54	14.68
14-May-22	148	75	29	14.45	24.02
20-May-22	128	61	22	14.52	20.53
21-May-22	131	62	24	14.85	22.36
27-May-22	126	58	20	11.52	17.59
28-May-22	140	68	26	13.85	23.56
03-Jun-22	140	65	25	14.93	18.08
04-Jun-22	148	70	28	15.65	20.9
10-Jun-22	142	67	26	13.31	22.91
11-Jun-22	144	69	27	11.74	17.03
20-Jun-22	136	66	25	13.68	15
21-Jun-22	143	70	27	14.41	15.83
27-Jun-22	133	63	24	11.09	13.04
28-Jun-22	130	60	21	14.03	17.95
04-Jul-22	135	66	24	14.12	18.78
05-Jul-22	140	70	26	11.06	13.67
11-Jul-22	148	75	28	10.86	13.37
12-Jul-22	133	62	23	14.5	18.4
20-Jul-22	132	62	22	13.23	15.83
21-Jul-22	137	67	25	11.78	14.49
27-Jul-22	147	45	28	9.81	13.22
28-Jul-22	134	64	24	9.57	13.97
03-Aug-22	130	60	20	13.24	14.65
04-Aug-22	144	72	27	14.47	16.7
10-Aug-22	137	65	25	13.22	15.52
11-Aug-22	140	66	26	12.01	13.29
18-Aug-22	130	61	20	10.22	16.22
19-Aug-22	144	73	27	11.22	13.22
26-Aug-22	135	65	24	14.52	17.55
27-Aug-22	141	70	26	15.22	18.52
05-Sep-22	132	61	22	11.34	17.06
06-Sep-22	125	56	18	13.76	18.84
12-Sep-22	127	57	19	11.4	13.75
13-Sep-22	130	61	21	10.86	17.21
19-Sep-22	137	68	25	10.87	12.03

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20-Sep-22	130	60	20	13.44	15.51
26-Sep-22	132	62	22	10.89	12.79
27-Sep-22	125	55	18	12.05	13.33
10-Oct-22	142	72	26	11.39	14.05
11-Oct-22	134	65	24	13.33	16.9
14-Oct-22	128	60	20	16.63	15.45
15-Oct-22	132	62	22	12.99	16.44
21-Oct-22	148	75	28	11.75	12.62
22-Oct-22	136	66	24	15.84	18.15
28-Oct-22	128	62	23	11.95	13.68
29-Oct-22	124	60	20	14.8	15.9
03-Nov-22	142	70	26	16.25	13.56
04-Nov-22	133	62	21	12.85	15.52
11-Nov-22	130	60	20	10.55	14.32
12-Nov-22	125	56	17	13.85	11.52
18-Nov-22	141	71	26	12.76	16.4
19-Nov-22	150	75	28	10.47	13.43
25-Nov-22	139	68	25	11.24	11.94
26-Nov-22	136	66	24	11.86	14.44
28-Nov-22	183	91	42	14.32	15.89
29-Nov-22	134	79	37	12	20.35
05-Dec-22	132	62	21	12.46	15.68
06-Dec-22	147	71	26	13.94	18.03
12-Dec-22	158	79	29	18.71	17.72
13-Dec-22	151	74	27	14.86	19.18
19-Dec-22	149	72	26	16.78	12.47
20-Dec-22	137	63	22	15.21	19.9
26-Dec-22	139	65	23	10.66	13.92
27-Dec-22	134	58	19	11.57	12.51
04-Jan-23	152	71	26	11.91	15.04
05-Jan-23	136	60	20	12.79	14.81
11-Jan-23	138	63	22	14.82	19.59
12-Jan-23	151	72	26	16.5	15.75
18-Jan-23	155	76	28	13.87	18.54
19-Jan-23	149	72	26	11.45	17.41
23-Jan-23	162	82	30	13.24	18.62
24-Jan-23	146	68	25	12.09	17.82
27-Jan-23	142	64	23	14.27	19.68
28-Jan-23	138	63	22	13.25	20.88
01-Feb-23	136	62	21	14.27	16.15
02-Feb-23	146	68	25	18.37	24.05
06-Feb-23	154	74	27	17.71	19.74
07-Feb-23	143	66	24	14.65	19.11
12-Feb-23	151	70	26	13.18	25.31
13-Feb-23	156	76	28	20.96	18.39
22-Feb-23	135	60	20	14.34	24.2
23-Feb-23	142	66	24	13.77	22.57
27-Feb-23	157	77	29	12.8	16.59
28-Feb-23	149	72	26	16.07	22.14
03-Mar-23	150	72	26	13.37	14.86
04-Mar-23	154	75	27	17.36	19.96
10-Mar-23	162	83	30	18.5	15.15
11-Mar-23	166	67	24	13.85	15.85
16-Mar-23	156	75	28	19.48	12.89

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JOB NO.750001

17-Mar-23	162	80	30	19.91	13.49
22-Mar-23	165	84	32	20.29	10.02
23-Mar-23	158	78	29	19.18	19.71
28-Mar-23	154	74	27	21.16	17.65
29-Mar-23	143	66	24	18.03	14.4
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	183	91	42	21.16	31.32
Minimum	124	45	17	9.57	10.02
Average	141.9	67.9	24.9	13.8	17.2
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40



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Table: 48

Area: Orient**Project:** Hirakand Bundia Mine (HBM)**Monitoring Station:** Rampur Officers Guest House

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	157	88	34	13.53	20.62
12-Apr-22	165	97	47	23	29
18-Apr-22	157	89	43	21	27
19-Apr-22	161	92	45	17	23
25-Apr-22	162	92	43	16.56	23.58
26-Apr-22	165	95	45	16.35	20.89
28-Apr-22	168	97	48	18.26	26.32
29-Apr-22	163	93	44	19.56	25.45
06-May-22	176	94	42	12.33	23
07-May-22	172	90	40	12.32	26.32
13-May-22	170	86	38	13.38	31.76
14-May-22	174	92	41	11.66	23.07
20-May-22	182	94	42	13.26	19.26
21-May-22	186	99	44	12.74	20.28
27-May-22	157	106	46	10.23	18.29
28-May-22	204	110	48	14.29	20.52
03-Jun-22	169	85	38	15.48	25.73
04-Jun-22	165	83	36	11.83	20.74
10-Jun-22	167	84	37	13.12	29.42
11-Jun-22	172	89	39	14.63	22.11
20-Jun-22	168	90	40	12.46	15
21-Jun-22	166	89	38	16.14	17.08
27-Jun-22	163	87	37	12.79	16.86
28-Jun-22	161	86	36	17.23	19.39
04-Jul-22	172	85	36	13.59	16.86
05-Jul-22	168	83	34	12.94	15.27
11-Jul-22	164	82	32	12.52	18.27
12-Jul-22	170	84	35	15.01	19.85
20-Jul-22	162	82	32	10.21	15.36
21-Jul-22	164	85	34	13.22	16.54
27-Jul-22	160	79	31	12.03	15.18
28-Jul-22	156	80	30	14.71	14.46
03-Aug-22	176	90	38	11.44	17.87
04-Aug-22	186	96	42	13.2	15.5
10-Aug-22	164	82	32	13.56	17.47
11-Aug-22	168	85	36	18.49	19.09
18-Aug-22	134	63	23	12.26	15.23
19-Aug-22	128	59	19	16.23	18.55
26-Aug-22	133	63	22	15.2	17.2
27-Aug-22	140	70	26	13.2	14.2
05-Sep-22	149	76	28	15.22	21.48
06-Sep-22	132	62	22	15.49	15.46
12-Sep-22	137	66	25	16.25	18.43
13-Sep-22	134	64	24	12.1	18.39
19-Sep-22	144	72	27	10.41	16.27

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20-Sep-22	138	67	25	11.43	13.42
26-Sep-22	134	63	24	12.5	16.11
27-Sep-22	133	62	23	14.3	14.76
06-Oct-22	160	81	30	13.76	21.24
07-Oct-22	144	73	27	12.93	17.98
14-Oct-22	162	82	32	14.78	16.12
15-Oct-22	154	79	29	10.59	19.29
21-Oct-22	141	70	26	13.08	19.84
22-Oct-22	134	65	24	15.43	17.67
28-Oct-22	140	68	25	14.35	18.2
29-Oct-22	128	62	22	17.07	17.53
03-Nov-22	175	88	36	11.89	13.56
04-Nov-22	180	89	38	14.22	16.32
11-Nov-22	184	91	40	10.89	14.26
12-Nov-22	177	87	37	22.23	15.26
18-Nov-22	192	97	42	12.63	12.77
19-Nov-22	188	94	40	14.82	15.61
25-Nov-22	190	95	41	12.01	14.03
26-Nov-22	196	29	45	15.67	11.45
28-Nov-22	150	95	47	11.85	16.54
29-Nov-22	147	83	44	10.98	20.57
05-Dec-22	174	85	35	14.7	23.13
06-Dec-22	165	83	32	14.29	20.26
12-Dec-22	179	92	37	17.69	19.68
13-Dec-22	181	94	38	10.4	19.31
19-Dec-22	178	90	36	11.28	17.14
20-Dec-22	187	93	38	14.21	14.63
26-Dec-22	176	89	35	15.28	16.39
27-Dec-22	190	94	39	12.52	14.9
04-Jan-23	180	93	38	15.72	17.15
05-Jan-23	155	84	32	10.76	19.6
11-Jan-23	164	95	39	11.57	14.28
12-Jan-23	168	88	34	12.36	17.96
18-Jan-23	176	92	36	12.86	18.46
19-Jan-23	182	94	39	11.24	16.37
24-Jan-23	169	88	34	10.26	15.49
25-Jan-23	165	84	32	13.54	18.47
29-Jan-23	173	90	35	12.47	19.69
30-Jan-23	177	92	37	14.63	20.66
01-Feb-23	168	85	33	17.15	14.74
02-Feb-23	182	94	38	10.17	15.73
06-Feb-23	164	83	32	19.93	20.87
07-Feb-23	186	95	40	18.85	11.95
12-Feb-23	167	86	33	18.82	18.32
13-Feb-23	177	90	36	13.18	12.65
22-Feb-23	178	92	37	16.65	15.46
23-Feb-23	188	95	40	12.08	15.29
27-Feb-23	167	85	33	12.12	19.15
28-Feb-23	194	95	43	8.31	17.09
03-Mar-23	172	88	34	14.34	20.4
04-Mar-23	182	94	38	14.14	17.92
10-Mar-23	164	84	32	18.82	18.47
11-Mar-23	184	96	39	10.05	17.08
16-Mar-23	166	94	32	22.08	18.6

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JOB NO.750001

17-Mar-23	169	88	34	21.07	16.14
22-Mar-23	188	95	40	14.48	11.76
23-Mar-23	192	98	42	20.21	15.54
28-Mar-23	178	92	36	14.52	16.49
29-Mar-23	168	86	33	22.24	20.85
Basic Stats	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	204	110	48	23	31.76
Minimum	128	29	19	8.31	11.45
Average	166.5	85.3	35.5	14.3	18.3
Standard 24 hr		100	60	80	80
Standard Annual		60	40	50	40

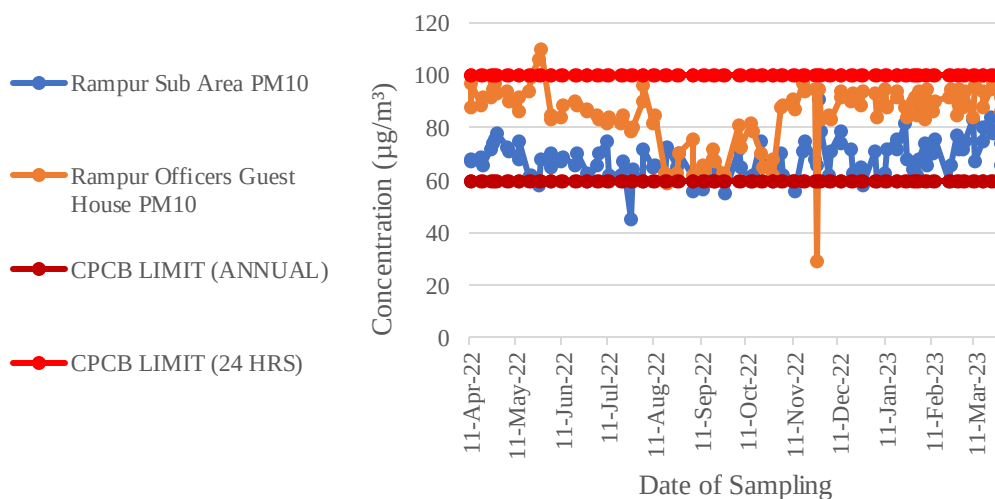


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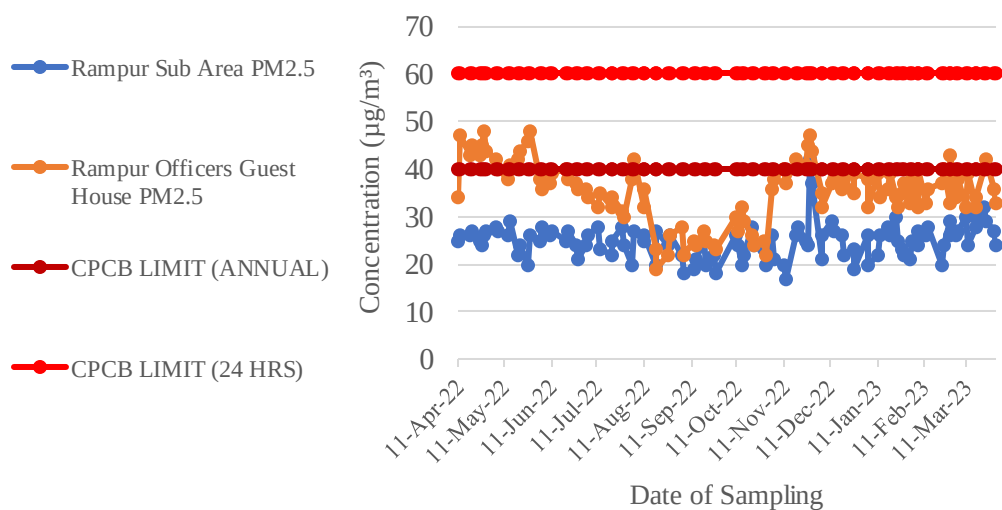
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JOB NO.750001

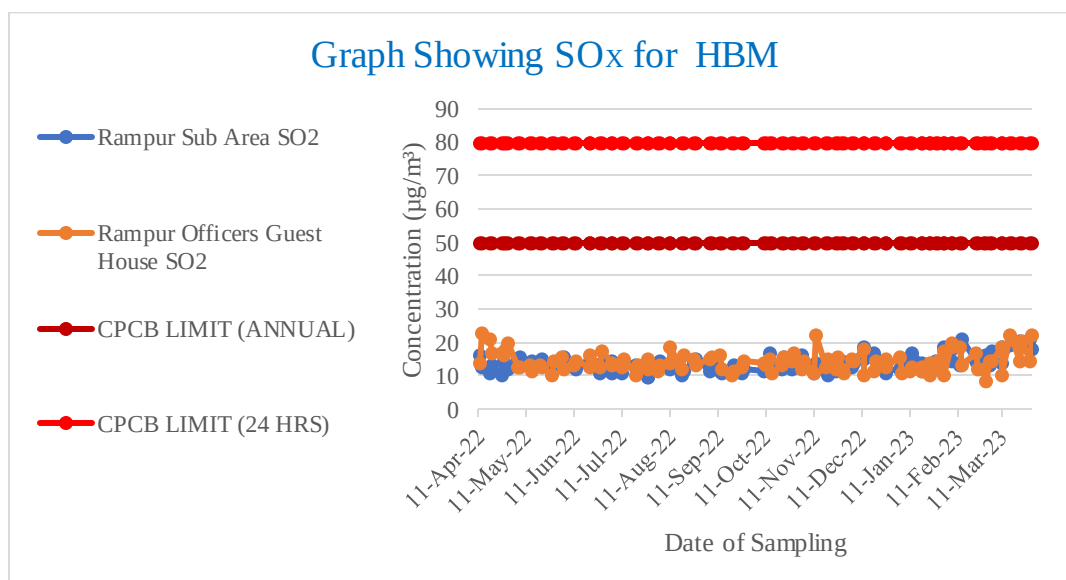
Graph Showing PM₁₀ for HBM



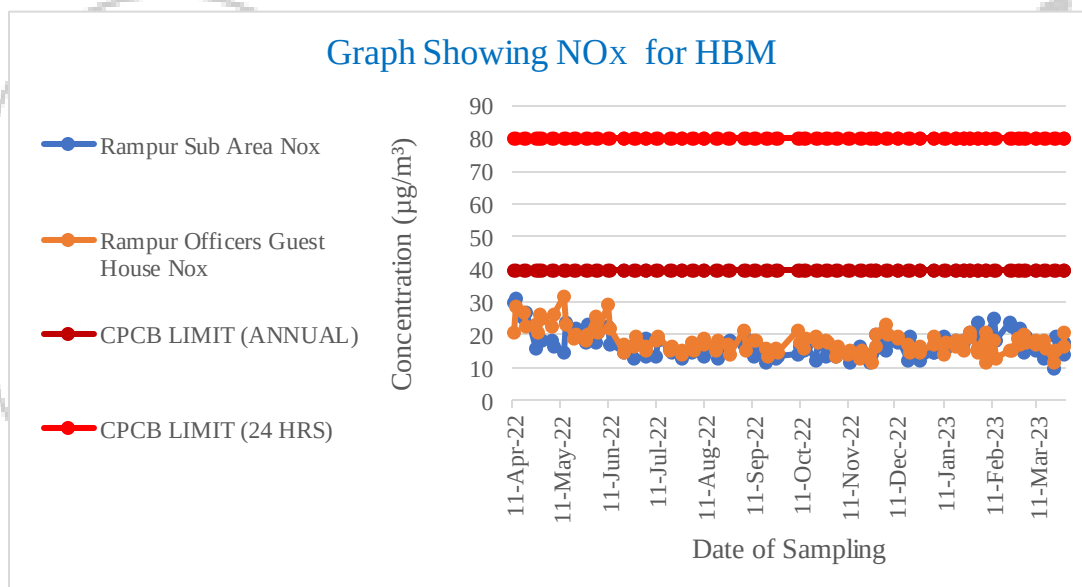
Graph Showing PM_{2.5} for HBM



Graph Showing SO_x for HBM



Graph Showing NO_x for HBM



8.6 AAQM RESULTS FOR HEAVY METALS, BENZENE, CO, O₃, NH₃

Table: 49
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Khokelmal				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Apr-2022	<20.0	4.99	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	6.68	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	7.02	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.64	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	5.01	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	3.89	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 50
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Khokelmal				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-May-2022	<20.0	5.91	<0.1	<1.0	<1.0
09-May-2022	<20.0	3.92	<0.1	<1.0	<1.0
10-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
02-May-2022	<20.0	5.33	<0.1	<1.0	<1.0
16-May-2022	<20.0	5.88	<0.1	<1.0	<1.0
17-May-2022	<20.0	5.96	<0.1	<1.0	<1.0
23-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
24-May-2022	<20.0	3.96	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 51
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Khokelmal				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	6.25	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.36	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	7.21	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.88	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	4.93	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	6.14	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.81	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 52
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
4-Jul-22	<20.0	4.56	<0.1	<1.0	<1.0	0.53	BQL(QL=0.5)	BQL(QL=2.5)
5-Jul-22	<20.0	5.64	<0.1	<1.0	<1.0	0.53	BQL(QL=0.5)	BQL(QL=2.5)
11-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	0.50	BQL(QL=0.5)	BQL(QL=2.5)
12-Jul-22	<20.0	4.64	<0.1	<1.0	<1.0	0.62	BQL(QL=0.5)	BQL(QL=2.5)
20-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	0.40	BQL(QL=0.5)	BQL(QL=2.5)
21-Jul-22	<20.0	7.80	<0.1	<1.0	<1.0	0.51	BQL(QL=0.5)	BQL(QL=2.5)
27-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	0.41	BQL(QL=0.5)	BQL(QL=2.5)
28-Jul-22	<20.0	5.32	<0.1	<1.0	<1.0	0.47	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 53
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Khokelmal				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	5.23	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	5.02	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	6.53	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	4.89	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	4.88	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.96	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	7.01	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 54
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Sep-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	5.95	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	6.91	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 55
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
06-Oct-2022	<20.0	7.04	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct -2022	<20.0	7.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12- Oct 2022	<20.0	6.13	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	5.95	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	5.30	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	6.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 56
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.08	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.16	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 57

Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	3.77	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	6.17	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	3.96	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.35	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 58
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.69	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	5.92	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	5.06	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	4.69	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.87	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	5.03	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 59
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Khokelmal							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	4.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.53	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	5.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	5.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 60
Area: IB Valley

Project	Samaleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.56	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
04-Mar-2023	<20.0	7.23	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
10-Mar-2023	<20.0	8.34	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
11-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
16-Mar-2023	<20.0	4.31	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
17-Mar-2023	<20.0	5.72	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
22-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
28-Mar-2023	<20.0	7.13	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
29-Mar-2023	<20.0	7.18	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 61
Area: Jagannath

Project	Samleswari OCP				
Monitoring Station	Khokelmal (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Apr-2022	<20.0	4.99	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	6.68	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	7.02	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.64	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	5.01	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	3.89	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 62
Area: IB Valley

Project	Samleswari OCP				
Monitoring Station	Khokelmal (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-May-2022	<20.0	5.91	<0.1	<1.0	<1.0
09-May-2022	<20.0	3.92	<0.1	<1.0	<1.0
10-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
02-May-2022	<20.0	5.33	<0.1	<1.0	<1.0
16-May-2022	<20.0	5.88	<0.1	<1.0	<1.0
17-May-2022	<20.0	5.96	<0.1	<1.0	<1.0
23-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
24-May-2022	<20.0	3.96	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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JOB NO.750001

Table: 63
Area: IB Valley

Project	Samleswari OCP				
Monitoring Station	Khokelmal (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	6.25	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.36	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	7.21	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.88	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	4.93	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	6.14	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.81	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table: 64
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
4-Jul-22	<20.0	4.56	<0.1	<1.0	<1.0	0.53	BQL(QL=0.5)	BQL(QL=2.5)
5-Jul-22	<20.0	5.64	<0.1	<1.0	<1.0	0.53	BQL(QL=0.5)	BQL(QL=2.5)
11-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	0.50	BQL(QL=0.5)	BQL(QL=2.5)
12-Jul-22	<20.0	4.64	<0.1	<1.0	<1.0	0.62	BQL(QL=0.5)	BQL(QL=2.5)
20-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	0.40	BQL(QL=0.5)	BQL(QL=2.5)
21-Jul-22	<20.0	7.80	<0.1	<1.0	<1.0	0.51	BQL(QL=0.5)	BQL(QL=2.5)
27-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	0.41	BQL(QL=0.5)	BQL(QL=2.5)
28-Jul-22	<20.0	5.32	<0.1	<1.0	<1.0	0.47	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 65
Area: IB Valley

<i>Project</i>	Samleswari OCP				
<i>Monitoring Station</i>	Khokelmal (Reported Only)				
<i>Date of sampling</i>	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	5.23	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	5.02	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	6.53	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	4.89	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	4.88	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.96	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	7.01	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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JOB NO.750001

Table: 66

Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	5.95	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	6.91	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 67
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	7.04	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct -2022	<20.0	7.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12- Oct 2022	<20.0	6.13	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	5.95	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	5.30	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	6.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 68
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.08	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.16	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 69

Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	3.77	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	6.17	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	3.96	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.35	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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VII, BHUBANESWAR

JOB NO.750001

Table: 70
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.69	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	5.92	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	5.06	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	4.69	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.87	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	5.03	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 71
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	4.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.53	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	5.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	5.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 72
Area: IB Valley

Project	Samaleswari OCP							
Monitoring Station	Khokelmal (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.56	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
04-Mar-2023	<20.0	7.23	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
10-Mar-2023	<20.0	8.34	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
11-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
16-Mar-2023	<20.0	4.31	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
17-Mar-2023	<20.0	5.72	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
22-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
28-Mar-2023	<20.0	7.13	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
29-Mar-2023	<20.0	7.18	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 73

Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Chukani				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Apr-2022	<20.0	5.85	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	6.12	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	7.15	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	6.80	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.23	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	6.01	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	5.83	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 74

Area: IB Valley

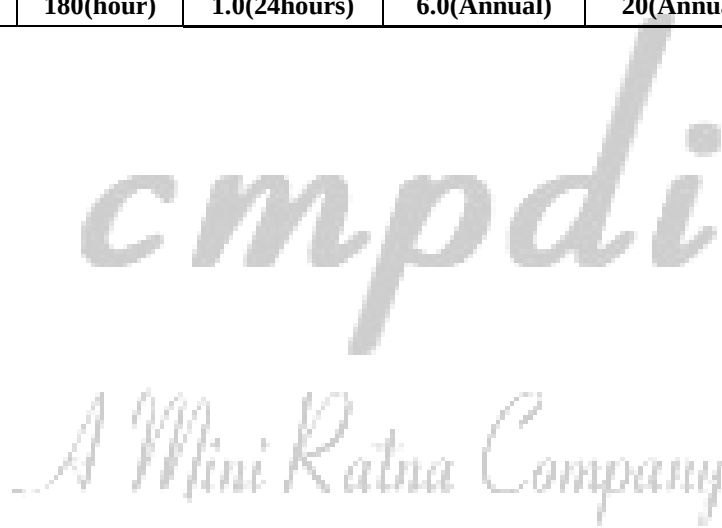
Project	Lajkura OCP				
Monitoring Station	Chukani				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
03-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
02-May-2022	<20.0	6.86	<0.1	<1.0	<1.0
09-May-2022	<20.0	6.51	<0.1	<1.0	<1.0
10-May-2022	<20.0	6.26	<0.1	<1.0	<1.0
16-May-2022	<20.0	5.56	<0.1	<1.0	<1.0
17-May-2022	<20.0	5.81	<0.1	<1.0	<1.0
23-May-2022	<20.0	5.36	<0.1	<1.0	<1.0
24-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 75
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Chukani				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.35	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	4.98	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.34	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	6.37	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	4.82	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	7.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table: 76
Area: IB Valley

Project	Lajkura OCP					
Monitoring Station	Chukani					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)
4-Jul-22	<20.0	5.02	<0.1	<1.0	<1.0	0.48
5-Jul-22	<20.0	6.21	<0.1	<1.0	<1.0	0.49
11-Jul-22	<20.0	5.27	<0.1	<1.0	<1.0	0.51
12-Jul-22	<20.0	5.68	<0.1	<1.0	<1.0	0.52
20-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	0.62
21-Jul-22	<20.0	5.23	<0.1	<1.0	<1.0	0.60
27-Jul-22	<20.0	6.09	<0.1	<1.0	<1.0	0.53
28-Jul-22	<20.0	7.08	<0.1	<1.0	<1.0	0.43
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)



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Table: 77
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Chukani				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	5.36	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	5.28	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	4.82	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	5.38	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	6.88	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	7.02	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	5.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 78
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Sep-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	4.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	6.29	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	4.99	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	5.44	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 79
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Oct-2022	<20.0	4.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	4.97	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	5.43	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	5.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	5.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 80
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.65	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	6.53	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	6.18	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 81
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
05-Dec-2022	<20.0	6.75	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	5.46	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	3.85	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	4.75	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	4.29	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	5.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 82
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	6.84	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 83
Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	5.44	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	4.87	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	6.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	7.65	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	6.58	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	7.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 84
Area: Area: IB Valley

Project	Lajkura OCP							
Monitoring Station	Chukani							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	5.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	8.81	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	6.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	8.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	7.89	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	6.83	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	9.47	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	6.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 85
Area: IB Valley

Project	Samleswari OCP				
Monitoring Station	Rampur Sub Area (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
11-Apr-2022	<20.0	6.28	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	6.82	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	6.25	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	5.71	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	6.21	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	4.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 86
Area: IB Valley

Project	Samleswari OCP				
Monitoring Station	Rampur Sub Area(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	4.93	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.02	<0.1	<1.0	<1.0
14-May-2022	<20.0	7.23	<0.1	<1.0	<1.0
13-May-2022	<20.0	4.59	<0.1	<1.0	<1.0
20-May-2022	<20.0	3.92	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
28-May-2022	<20.0	4.86	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 87
Area: IB Valley

Project	Samleswari OCP				
Monitoring Station	Rampur Sub Area(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
03-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	5.24	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	3.14	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	5.55	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 88
Area: IB Valley

Project	Samleswari OCP					
Monitoring Station	Rampur Sub Area(Reported Only)					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
4-Jul-22	<20.0	6.66	<0.1	<1.0	<1.0	0.65
5-Jul-22	<20.0	7.28	<0.1	<1.0	<1.0	0.73
11-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.64
12-Jul-22	<20.0	6.38	<0.1	<1.0	<1.0	0.61
20-Jul-22	<20.0	6.57	<0.1	<1.0	<1.0	0.58
21-Jul-22	<20.0	5.39	<0.1	<1.0	<1.0	0.53
27-Jul-22	<20.0	6.38	<0.1	<1.0	<1.0	0.45
28-Jul-22	<20.0	5.87	<0.1	<1.0	<1.0	0.91
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 89
Area: IB Valley

Project	Samleswari OCP				
Monitoring Station	Rampur Sub Area (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	6.02	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	5.19	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.22	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	5.50	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.61	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	5.88	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	5.99	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 90
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Sep-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	4.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 91
Area: IB Valley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
10-Oct-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	6.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	5.59	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 92
Area: IBValley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
03-Nov-2022	<20.0	6.54	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	6.43	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 93
Area: IBValley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Dec-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	6.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	6.59	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	4.3	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	3.5	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.76	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 94
Area: IBValley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	5.11	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	5.20	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hours)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 95
Area: IBValley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.57	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.63	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	6.14	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.72	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	7.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	5.38	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 96
Area: IBValley

Project	Samleswari OCP							
Monitoring Station	Rampur Sub Area (Reported Only)							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
03-Mar-2023	<20.0	4.86	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	6.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	8.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	8.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.81	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 97
Area: IBValley

Project	Lajkura OCP				
Monitoring Station	VIP Guest House, IB Valley(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Apr-2022	<20.0	4.92	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	5.25	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.83	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	3.92	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	4.02	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 98
Area: IBValley

Project	Lajkura OCP				
Monitoring Station	VIP Guest House, IB Valley(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
02-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
03-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
09-May-2022	<20.0	5.84	<0.1	<1.0	<1.0
10-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
16-May-2022	<20.0	6.01	0.1	<1.0	<1.0
17-May-2022	<20.0	7.15	<0.1	<1.0	<1.0
23-May-2022	<20.0	6.86	<0.1	<1.0	<1.0
24-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 99
Area: IBValley

Project	Lajkura OCP				
Monitoring Station	VIP Guest House, IB Valley(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
03-Jun-2022	<20.0	4.59	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.68	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.24	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	6.74	0.1	<1.0	<1.0
21-Jun-2022	<20.0	6.34	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.84	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	4.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 100
Area: IBValley

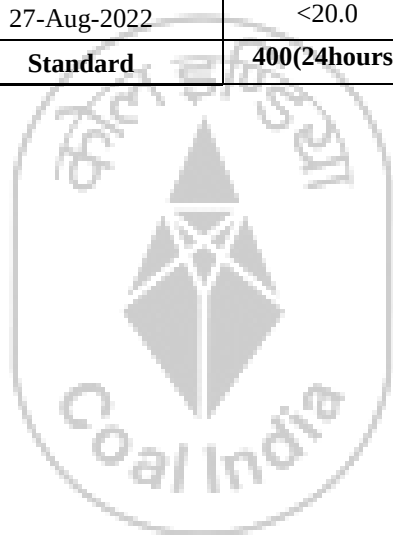
Project	Lajkura OCP					
Monitoring Station	VIP Guest House, IB Valley(Reported Only)					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
4-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.93
5-Jul-22	<20.0	5.62	<0.1	<1.0	<1.0	0.62
11-Jul-22	<20.0	7.64	<0.1	<1.0	<1.0	0.23
12-Jul-22	<20.0	5.39	<0.1	<1.0	<1.0	0.75
20-Jul-22	<20.0	6.30	<0.1	<1.0	<1.0	0.87
21-Jul-22	<20.0	5.34	<0.1	<1.0	<1.0	0.89
27-Jul-22	<20.0	6.21	<0.1	<1.0	<1.0	0.96
28-Jul-22	<20.0	6.81	<0.1	<1.0	<1.0	1.49
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 101
Area: IBValley

Project	Lajkura OCP				
Monitoring Station	VIP Guest House IB Valley (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	5.92	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	7.17	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	6.71	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	7.01	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	5.92	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table: 102
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	5.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	6.74	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.11	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	7.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	5.57	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 103
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Oct-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	5.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21Oct-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	6.17	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	5.98	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 104
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley (Reported)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	6.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	6.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.94	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 105
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Dec-2022	<20.0	6.4	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	3.16	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	6.8	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 106
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	5.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hour)	01(annual)	05(annual)

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Table: 107
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	6.47	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	7.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	5.54	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	7.04	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	8.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 108
Area: IBValley

Project	Lajkura OCP							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	5.58	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.49	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	8.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 109
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South of Quarry 6				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Apr-2022	<20.0	6.76	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	6.52	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.83	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	5.94	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.92	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	3.80	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	4.66	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.71	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 110
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South of Quarry 6				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-May-2022	<20.0	7.01	<0.1	<1.0	<1.0
03-May-2022	<20.0	5.56	<0.1	<1.0	<1.0
09-May-2022	<20.0	6.86	<0.1	<1.0	<1.0
10-May-2022	<20.0	5.91	<0.1	<1.0	<1.0
16-May-2022	<20.0	5.48	<0.1	<1.0	<1.0
17-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
23-May-2022	<20.0	5.93	<0.1	<1.0	<1.0
24-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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JOB NO.750001

Table: 111
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South of Quarry 6				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m ³)	(ng/m ³)
01-Jun-2022	<20.0	6.54	<0.1	<1.0	<1.0
02-Jun-2022	<20.0	5.04	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	6.12	<0.1	<1.0	<1.0
09-Jun-2022	<20.0	4.28	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	6.24	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	4.33	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	4.57	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	6.14	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 112
Area: Lakhanpur

Project	Lakhanpur OCP					
Monitoring Station	South of Quarry 6					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m ³)	(ng/m ³)	(mg/m ³)
1-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	0.82
2-Jul-22	<20.0	4.68	<0.1	<1.0	<1.0	0.80
8-Jul-22	<20.0	5.39	<0.1	<1.0	<1.0	0.79
9-Jul-22	<20.0	5.94	<0.1	<1.0	<1.0	0.73
18-Jul-22	<20.0	5.24	<0.1	<1.0	<1.0	0.91
19-Jul-22	<20.0	5.68	<0.1	<1.0	<1.0	0.57
25-Jul-22	<20.0	6.37	<0.1	<1.0	<1.0	0.27
26-Jul-22	<20.0	6.47	<0.1	<1.0	<1.0	0.81
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 113
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South of Quarry 6				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
01-Aug-2022	<20.0	3.99	<0.1	<1.0	<1.0
02-Aug-2022	<20.0	4.56	<0.1	<1.0	<1.0
08-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	5.63	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	6.44	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	6.41	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	6.38	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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JOB NO.750001

Table: 114
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Sep-2022	<20.0	6.11	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	5.43	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	4.39	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	5.54	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	6.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	3.38	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 115
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
06-Oct-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	4.57	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Oct-2022	<20.0	4.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	3.88	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	4.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 116
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	4.87	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	5.04	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	6.30	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	6.80	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 117
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
01-Dec-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Dec-2022	<20.0	4.87	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Dec-2022	<20.0	5.04	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Dec-2022	<20.0	6.30	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 118
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	3.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Jan-2023	<20.0	4.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Jan-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Jan-2023	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.38	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 119
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Feb-2023	<20.0	6.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	7.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	7.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	7.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	8.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	5.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	6.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	4.07	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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VII, BHUBANESWAR

JOB NO.750001

Table: 120
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South of Quarry 6							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	5.83	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	4.53	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.61	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	8.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	4.81	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	6.13	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 121
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South West of Quarry 5				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Apr-2022	<20.0	4.88	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	5.84	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	4.15	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.81	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	4.36	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	4.51	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.06	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 122
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South West of Quarry 5				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
02-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
03-May-2022	<20.0	7.15	<0.1	<1.0	<1.0
09-May-2022	<20.0	5.53	<0.1	<1.0	<1.0
10-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
16-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
17-May-2022	<20.0	6.46	<0.1	<1.0	<1.0
23-May-2022	<20.0	5.82	<0.1	<1.0	<1.0
24-May-2022	<20.0	6.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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JOB NO.750001

Table: 123
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	South West of Quarry 5				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
01-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
02-Jun-2022	<20.0	5.15	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	6.80	<0.1	<1.0	<1.0
09-Jun-2022	<20.0	5.61	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.37	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	4.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 124
Area: Lakhanpur

Project	Lakhanpur OCP					
Monitoring Station	South West of Quarry 5					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)
1-Jul-22	<20.0	5.64	<0.1	<1.0	<1.0	0.91
2-Jul-22	<20.0	5.75	<0.1	<1.0	<1.0	0.21
8-Jul-22	<20.0	6.27	<0.1	<1.0	<1.0	0.28
9-Jul-22	<20.0	5.37	<0.1	<1.0	<1.0	0.35
18-Jul-22	<20.0	5.29	<0.1	<1.0	<1.0	0.84
19-Jul-22	<20.0	4.89	<0.1	<1.0	<1.0	0.67
25-Jul-22	<20.0	5.61	<0.1	<1.0	<1.0	0.96
26-Jul-22	<20.0	6.94	<0.1	<1.0	<1.0	1.24
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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JOB NO.750001

Table: 125
Area: Lakhanpur

<i>Project</i>	Lakhanpur OCP				
<i>Monitoring Station</i>	South West of Quarry 5				
<i>Date of sampling</i>	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
01-Aug-2022	<20.0	5.56	<0.1	<1.0	<1.0
02-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
08-Aug-2022	<20.0	7.51	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	6.29	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	7.55	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	4.81	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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JOB NO.750001

Table:126
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Sep-2022	<20.0	5.71	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	6.33	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	5.92	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	7.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	7.13	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	6.16	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	5.44	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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VII, BHUBANESWAR

JOB NO.750001

Table: 127
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	4.97	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Oct-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	7.03	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	5.71	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	6.18	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	6.38	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	5.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 128
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	4.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	4.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 129
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	2.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	2.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Dec-2022	<20.0	7.2	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	3.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	3.8	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Dec-2022	<20.0	6.7	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 130
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	5.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Jan-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Jan-2023	<20.0	4.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	5.00	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	6.38	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	7.02	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.11	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24h ours)	180(hou r)	1.0(24 hours)	6.0(Annu al)	20(Ann ual)	04(1hour s)	01(annual)	05(annual)

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JOB NO.750001

Table: 131
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Feb-2023	<20.0	3.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.60	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Feb-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	6.72	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	7.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	6.39	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 132
Area: Lakhanpur

Project	Lakhanpur OCP							
Monitoring Station	South West of Quarry 5							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	3.86	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	6.81	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.72	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	4.28	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	6.14	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	7.18	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	4.18	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:133
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	East of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
07-Apr-2022	<20.0	5.82	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	4.20	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	5.73	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	4.63	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.53	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	4.58	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	5.25	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:134
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	East of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
03-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
04-May-2022	<20.0	6.45	<0.1	<1.0	<1.0
11-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
18-May-2022	<20.0	7.41	<0.1	<1.0	<1.0
19-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
25-May-2022	<20.0	6.26	<0.1	<1.0	<1.0
26-May-2022	<20.0	6.55	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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JOB NO.750001

Table:135
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	East of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
01-Jun-2022	<20.0	5.44	<0.1	<1.0	<1.0
02-Jun-2022	<20.0	6.14	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	5.34	<0.1	<1.0	<1.0
09-Jun-2022	<20.0	5.78	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	5.66	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	4.67	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	5.98	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	6.05	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:136
Area: Lakhanpur

Project	Belpahar OCP					
Monitoring Station	East of the Mine					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
1-Jul-22	<20.0	3.97	<0.1	<1.0	<1.0	0.32
2-Jul-22	<20.0	7.21	<0.1	<1.0	<1.0	0.24
8-Jul-22	<20.0	4.57	<0.1	<1.0	<1.0	0.62
9-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	0.52
18-Jul-22	<20.0	5.22	<0.1	<1.0	<1.0	0.51
19-Jul-22	<20.0	4.78	<0.1	<1.0	<1.0	0.63
25-Jul-22	<20.0	5.43	<0.1	<1.0	<1.0	0.58
26-Jul-22	<20.0	5.15	<0.1	<1.0	<1.0	0.28
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table:137
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	East of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
01-Aug-2022	<20.0	5.46	<0.1	<1.0	<1.0
02-Aug-2022	<20.0	3.92	<0.1	<1.0	<1.0
08-Aug-2022	<20.0	4.83	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	5.91	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	4.56	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	5.28	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	4.22	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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JOB NO.750001

Table:138
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Sep-2022	<20.0	5.28	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	4.22	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	6.20	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	5.61	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	5.46	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:139
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
07-Oct-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
13-Oct-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL= 2.5)
14-Oct-2022	<20.0	5.61	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
20-Oct-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
19-Oct-2022	<20.0	6.19	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
26-Oct-2022	<20.0	4.02	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL= 2.5)
27-Oct-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL= 2.5)
Standard	400(24hou rs)	180(ho ur)	1.0(2 4hou rs)	6.0(Annu al)	20(Ann ual)	04(1ho urs)	01(ann ual)	05(annual)

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JOB NO.750001

Table:140
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.52	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
02-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL= 2.5)
09-Nov-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
10-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
16-Nov-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL= 2.5)
17-Nov-2022	<20.0	4.95	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
23-Nov-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL= 2.5)
24-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
28-Nov-2022	<20.0	5.18	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL= 2.5)
29-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:141
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2. 5)
02-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL=2. 5)
09-Dec-2022	<20.0	8.6	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL=2. 5)
10-Dec-2022	<20.0	6.5	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL=2. 5)
16-Dec-2022	<20.0	4.22	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2. 5)
17-Dec-2022	<20.0	7.61	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL=2. 5)
23-Dec-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2. 5)
24-Dec-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL=2. 5)
Standard	400(24hour s)	180(hou r)	1.0(24 hours)	6.0(Annu al)	20(Ann ual)	04(1ho urs)	01(annu al)	05(annual)

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JOB NO.750001

Table:142
Area Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL=2. 5)
03-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2. 5)
06-Jan-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2. 5)
07-Jan-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL=2. 5)
09-Jan-2023	<20.0	5.41	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL=2. 5)
10-Jan-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL=2. 5)
16-Jan-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2. 5)
17-Jan-2023	<20.0	6.39	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL=2. 5)
23-Jan-2023	<20.0	6.66	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2. 5)
24-Jan-2023	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL=2. 5)
Standard	400(24hour s)	180(hou r)	1.0(24 hours)	6.0(Annu al)	20(Ann ual)	04(1ho urs)	01(annu al)	05(annual)

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Table:143
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.2	BQL(QL=2.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	7.23	<0.1	<1.0	<1.0	0.1	BQL(QL=2.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	6.45	<0.1	<1.0	<1.0	0.1	BQL(QL=2.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=2.5)	BQL(QL=2.5)
13-Feb-2023	<20.0	8.01	<0.1	<1.0	<1.0	0.1	BQL(QL=2.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	7.52	<0.1	<1.0	<1.0	0.3	BQL(QL=2.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=2.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	6.55	<0.1	<1.0	<1.0	0.1	BQL(QL=2.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	5.54	<0.1	<1.0	<1.0	0.2	BQL(QL=2.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	6.48	<0.1	<1.0	<1.0	0.2	BQL(QL=2.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:144
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	East of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
03-Mar-2023	<20.0	5.24	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
04-Mar-2023	<20.0	7.73	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL= 2.5)
10-Mar-2023	<20.0	8.26	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
11-Mar-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
16-Mar-2023	<20.0	5.16	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL= 2.5)
17-Mar-2023	<20.0	6.20	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL= 2.5)
22-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL= 2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
28-Mar-2023	<20.0	6.83	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL= 2.5)
29-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL= 2.5)
Standard	400(24hour s)	180(hou r)	1.0(24 hours)	6.0(Annua l)	20(Ann ual)	04(1ho urs)	01(annu al)	05(annual)

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JOB NO.750001

Table:145
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	South of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
07-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	7.01	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	6.05	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	7.23	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	6.12	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	3.88	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	4.15	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	4.17	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:146
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	South of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
04-May-2022	<20.0	7.15	<0.1	<1.0	<1.0
05-May-2022	<20.0	4.98	<0.1	<1.0	<1.0
11-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.19	<0.1	<1.0	<1.0
18-May-2022	<20.0	6.26	<0.1	<1.0	<1.0
19-May-2022	<20.0	5.88	<0.1	<1.0	<1.0
25-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.24	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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JOB NO.750001

Table:147
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	South of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
01-Jun-2022	<20.0	5.44	<0.1	<1.0	<1.0
02-Jun-2022	<20.0	4.64	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	5.41	<0.1	<1.0	<1.0
09-Jun-2022	<20.0	3.99	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	4.26	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	4.87	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	4.80	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	4.62	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:148
Area: Lakhanpur

Project	Belpahar OCP					
Monitoring Station	South of the Mine					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)
1-Jul-22	<20.0	5.67	<0.1	<1.0	<1.0	0.60
2-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	0.31
8-Jul-22	<20.0	6.37	<0.1	<1.0	<1.0	0.52
9-Jul-22	<20.0	7.08	<0.1	<1.0	<1.0	0.21
18-Jul-22	<20.0	5.01	<0.1	<1.0	<1.0	0.53
19-Jul-22	<20.0	4.29	<0.1	<1.0	<1.0	0.58
25-Jul-22	<20.0	6.52	<0.1	<1.0	<1.0	0.73
26-Jul-22	<20.0	5.38	<0.1	<1.0	<1.0	0.85
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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JOB NO.750001

Table:149
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	South of the Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
01-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
02-Aug-2022	<20.0	6.33	<0.1	<1.0	<1.0
08-Aug-2022	<20.0	4.56	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	5.41	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	6.28	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	5.96	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table:150
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Sep-2022	<20.0	5.46	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	5.77	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	5.91	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	6.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	5.76	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:151
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	6.45	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	6.28	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Oct-2022	<20.0	5.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	5.91	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Oct-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	4.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	4.97	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	6.59	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:152
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	4.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	6.99	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	6.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.17	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.93	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hours)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:153
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	7.1	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Dec-2022	<20.0	4.33	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	4.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Dec-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	7.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:154
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	5.65	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Jan-2023	<20.0	4.66	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Jan-2023	<20.0	5.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.87	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	5.60	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.51	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:155
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	6.09	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	8.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Feb-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	5.65	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	4.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table:156
Area: Lakhanpur

Project	Belpahar OCP							
Monitoring Station	South of the Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	4.51	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	4.96	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	5.91	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	4.86	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.42	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	6.84	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:157
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Sarangijharia Community Centre				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
07-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	5.85	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	6.02	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	6.88	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	5.29	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	5.36	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:158
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Sarangijharia Community Centre				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
04-May-2022	<20.0	6.51	<0.1	<1.0	<1.0
05-May-2022	<20.0	7.55	<0.1	<1.0	<1.0
11-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.55	<0.1	<1.0	<1.0
18-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
19-May-2022	<20.0	5.68	<0.1	<1.0	<1.0
25-May-2022	<20.0	5.74	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table:159
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Sarangijharia Community Centre				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-Jun-2022	<20.0	5.23	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	4.62	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	5.04	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	6.32	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	4.89	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:160
Area: Mahalaxmi

Project	Basundhara (W) OCP					
Monitoring Station	Sarangijharia Community Centre					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
6-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	6.31
7-Jul-22	<20.0	7.21	<0.1	<1.0	<1.0	7.21
13-Jul-22	<20.0	6.32	<0.1	<1.0	<1.0	6.32
14-Jul-22	<20.0	5.55	<0.1	<1.0	<1.0	5.55
22-Jul-22	<20.0	5.31	<0.1	<1.0	<1.0	0.97
23-Jul-22	<20.0	6.38	<0.1	<1.0	<1.0	1.71
29-Jul-22	<20.0	6.87	<0.1	<1.0	<1.0	1.25
30-Jul-22	<20.0	6.29	<0.1	<1.0	<1.0	0.75
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table:161
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Sarangijharia Community Centre				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Aug-2022	<20.0	6.02	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	6.53	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	4.88	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	5.39	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.88	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	5.71	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	5.20	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	6.86	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:162
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
07-Sep-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	6.33	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	4.73	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	6.10	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	5.46	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:163
Area Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
10-Oct-2022	<20.0	6.07	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
11-Oct-2022	<20.0	6.08	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
14-Oct-2022	<20.0	6.33	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
15-Oct-2022	<20.0	6.09	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
21-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
22-Oct-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
28-Oct-2022	<20.0	5.46	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
29-Oct-2022	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 164
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
02-Nov-2022	<20.0	5.22	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
03-Nov-2022	<20.0	4.09	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
07-Nov-2022	<20.0	5.26	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
08-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
14-Nov-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
15-Nov-2022	<20.0	6.38	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
21-Nov-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
22-Nov-2022	<20.0	6.30	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
28-Nov-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
29-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 165
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
07-Dec-2022	<20.0	6.72	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.2	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	4.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	5.74	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	3.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 166
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
05-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
13-Jan-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
14-Jan-2023	<20.0	5.28	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
20-Jan-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
21-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
24-Jan-2023	<20.0	5.20	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
25-Jan-2023	<20.0	6.80	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
30-Jan-2023	<20.0	4.89	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
31-Jan-2023	<20.0	6.33	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 167
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
04-Feb-2023	<20.0	8.01	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
08-Feb-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
09-Feb-2023	<20.0	5.35	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
15-Feb-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
16-Feb-2023	<20.0	4.98	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
20-Feb-2023	<20.0	7.02	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
21-Feb-2023	<20.0	4.65	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
24-Feb-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
25-Feb-2023	<20.0	5.61	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 168
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Sarangijharia Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
04-Mar-2023	<20.0	4.18	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
10-Mar-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
11-Mar-2023	<20.0	5.22	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
20-Mar-2023	<20.0	5.81	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
21-Mar-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL =0.5)	BQL(QL =2.5)
24-Mar-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
25-Mar-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
30-Mar-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
31-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 169
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Ratansara Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
07-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	5.83	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	6.02	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	5.71	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	5.81	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	6.86	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 170
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Ratansara Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
11-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
04-May-2022	<20.0	4.93	<0.1	<1.0	<1.0
05-May-2022	<20.0	5.61	<0.1	<1.0	<1.0
12-May-2022	<20.0	5.44	<0.1	<1.0	<1.0
18-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
19-May-2022	<20.0	6.29	<0.1	<1.0	<1.0
25-May-2022	<20.0	3.92	<0.1	<1.0	<1.0
26-May-2022	<20.0	4.92	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 171
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Ratansara Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
07-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.78	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	5.61	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	5.74	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 172
Area: Mahalaxmi

Project	Basundhara (W) OCP					
Monitoring Station	Ratansara Village					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
6-Jul-22	<20.0	4.63	<0.1	<1.0	<1.0	1.32
7-Jul-22	<20.0	7.21	<0.1	<1.0	<1.0	1.04
13-Jul-22	<20.0	4.65	<0.1	<1.0	<1.0	1.25
14-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	1.52
22-Jul-22	<20.0	6.35	<0.1	<1.0	<1.0	0.54
23-Jul-22	<20.0	4.68	<0.1	<1.0	<1.0	0.84
29-Jul-22	<20.0	5.61	<0.1	<1.0	<1.0	0.57
30-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	0.95
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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JOB NO.750001

Table: 173
Area: Mahalaxmi

Project	Basundhara (W) OCP				
Monitoring Station	Ratansara Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	6.21	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	5.62	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	4.92	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	4.80	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	3.91	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	3.82	<0.1	<1.0	<1.0
29-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	5.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table: 174
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Sep-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	4.99	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	5.28	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	3.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	5.73	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 175
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
10-Oct-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.85	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	5.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	5.28	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	3.93	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 176
Area Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Nov-2022	<20.0	5.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	6.94	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	5.54	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Nov-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Nov-2022	<20.0	5.61	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 177
Area Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Dec-2022	<20.0	3.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	6.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.18	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	3.8	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	3.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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Table: 178
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
13-Jan-2023	<20.0	7.20	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Jan-2023	<20.0	6.05	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.09	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 179
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	7.25	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	5.84	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	4.67	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	4.67	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
25-Feb-2023	<20.0	6.30	<0.1	<1.0	<1.0		BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 180
Area: Mahalaxmi

Project	Basundhara (W) OCP							
Monitoring Station	Ratansara Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	7.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	7.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	8.18	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
31-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 181
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	North of CHP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
07-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	4.96	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	5.05	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	4.88	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	7.07	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.83	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	5.66	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 182
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	North of CHP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
04-May-2022	<20.0	5.36	<0.1	<1.0	<1.0
05-May-2022	<20.0	5.42	<0.1	<1.0	<1.0
11-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
12-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
18-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
19-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
25-May-2022	<20.0	5.84	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.92	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 183
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	North of CHP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Jun-2022	<20.0	6.15	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	5.66	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	3.98	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 184
Area: Basundhara

Project	Kulda OCP					
Monitoring Station	North of CHP					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)
6-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	1.51
7-Jul-22	<20.0	5.28	<0.1	<1.0	<1.0	1.02
13-Jul-22	<20.0	5.37	<0.1	<1.0	<1.0	1.06
14-Jul-22	<20.0	6.58	<0.1	<1.0	<1.0	1.21
22-Jul-22	<20.0	6.09	<0.1	<1.0	<1.0	0.58
23-Jul-22	<20.0	5.28	<0.1	<1.0	<1.0	0.59
29-Jul-22	<20.0	6.39	<0.1	<1.0	<1.0	1.91
30-Jul-22	<20.0	5.49	<0.1	<1.0	<1.0	1.67
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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JOB NO.750001

Table: 185
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	North of CHP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	3.82	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	5.23	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	5.41	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	5.63	<0.1	<1.0	<1.0
29-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	5.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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JOB NO.750001

Table: 186
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Sep-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	6.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	5.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	3.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 187
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
10-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	5.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	3.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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Table: 188
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Nov-2022	<20.0	5.29	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	6.04	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	6.34	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Nov-2022	<20.0	5.48	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Nov-2022	<20.0	4.16	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 189
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	7.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	3.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	4.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	3.8	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 190
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Jan-2023	<20.0	6.04	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Jan-2023	<20.0	5.84	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
13-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.38	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Jan-2023	<20.0	6.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	6.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	6.14	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 191
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Feb-2023	<20.0	5.13	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	7.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	6.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	4.65	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.57	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Feb-2023	<20.0	7.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 192
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	North of CHP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.35	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	7.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	6.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	7.19	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	6.92	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	6.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	6.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
31-Mar-2023	<20.0	5.08	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 193
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	South West of Working Face, Chakrapur				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
07-Apr-2022	<20.0	5.91	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	4.96	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	5.89	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	6.01	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	5.89	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 194
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	South West of Working Face, Chakrapur				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
04-May-2022	<20.0	5.73	<0.1	<1.0	<1.0
05-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
11-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
12-May-2022	<20.0	5.91	<0.1	<1.0	<1.0
18-May-2022	<20.0	6.26	<0.1	<1.0	<1.0
19-May-2022	<20.0	5.93	<0.1	<1.0	<1.0
25-May-2022	<20.0	5.86	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.45	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 195
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	South West of Working Face, Chakrapur				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-Jun-2022	<20.0	3.99	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.65	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	5.78	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	5.94	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.67	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 196
Area: Basundhara

Project	Kulda OCP					
Monitoring Station	South West of Working Face, Chakrapur					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
6-Jul-22	<20.0	4.98	<0.1	<1.0	<1.0	1.23
7-Jul-22	<20.0	4.63	<0.1	<1.0	<1.0	1.52
13-Jul-22	<20.0	4.65	<0.1	<1.0	<1.0	1.36
14-Jul-22	<20.0	7.54	<0.1	<1.0	<1.0	1.25
22-Jul-22	<20.0	6.37	<0.1	<1.0	<1.0	1.69
23-Jul-22	<20.0	5.38	<0.1	<1.0	<1.0	0.94
29-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.99
30-Jul-22	<20.0	6.37	<0.1	<1.0	<1.0	0.86
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table:197
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	South West of Working Face, Chakrapur				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	5.88	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	5.86	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
29-Aug-2022	<20.0	5.88	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	4.52	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:198
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (a) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
07-Sep-2022	<20.0	6.11	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	5.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	4.67	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:199
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
10-Oct-2022	<20.0	3.99	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	5.38	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	4.95	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	6.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	4.93	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0(24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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Table:200
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Nov-2022	<20.0	6.30	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Nov-2022	<20.0	6.14	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Nov-2022	<20.0	5.28	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Nov-2022	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	4.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.29	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 201
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Dec-2022	<20.0	6.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	6.44	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	3.89	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	4.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	7.5	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 202
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Jan-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Jan-2023	<20.0	5.04	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Jan-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Jan-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	6.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	5.27	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 203
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	7.35	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	7.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	4.67	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	5.81	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	6.09	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Feb-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 204
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	South West of Working Face, Chakrapur							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	8.08	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	3.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
31-Mar-2023	<20.0	7.19	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 205
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Bihaimunda Village/ South west of working face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
11-Apr-2022	<20.0	6.76	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	7.51	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	6.66	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	7.21	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	4.83	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	5.62	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 206
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Bihaimunda Village/ South west of working face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
04-May-2022	<20.0	5.86	<0.1	<1.0	<1.0
05-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.33	<0.1	<1.0	<1.0
13-May-2022	<20.0	6.36	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.66	<0.1	<1.0	<1.0
21-May-2022	<20.0	5.71	<0.1	<1.0	<1.0
25-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 207
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Bihaimunda Village/ South west of working face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m ³)	(ng/m ³)
06-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	5.87	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	4.86	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	4.67	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.67	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 208
Area: Basundhara

Project	Garjanbahal OCP					
Monitoring Station	Bihaimunda Village/ South west of working face					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m ³)	(ng/m ³)	(mg/m ³)
6-Jul-22	<20.0	5.36	<0.1	<1.0	<1.0	0.95
7-Jul-22	<20.0	4.56	<0.1	<1.0	<1.0	1.23
13-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.89
14-Jul-22	<20.0	6.48	<0.1	<1.0	<1.0	1.21
22-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	1.60
23-Jul-22	<20.0	6.05	<0.1	<1.0	<1.0	1.57
29-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	1.51
30-Jul-22	<20.0	4.68	<0.1	<1.0	<1.0	1.49
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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JOB NO.750001

Table: 209
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Bihaimunda Village/ South west of working face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	7.13	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.82	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	7.07	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
29-Aug-2022	<20.0	6.56	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	6.41	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 210
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (a) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
07-Sep-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	4.75	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	6.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	3.99	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 211
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃) ($\mu\text{g}/\text{m}^3$)	Ozone (O ₃) ($\mu\text{g}/\text{m}^3$)	Lead (Pb) ($\mu\text{g}/\text{m}^3$)	Arsenic (As) (ng/m^3)	Nickel (Ni) (ng/m^3)	CO (mg/m^3)	Benzo (a) Pyrene (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)
10-Oct-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.86	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	7.10	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	6.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	3.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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Table: 212
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Nov-2022	<20.0	5.60	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	5.53	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Nov-2022	<20.0	5.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 213
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	7.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	3.2	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	6.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 214
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
01-Jan-2023	<20.0	3.94	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Jan-2023	<20.0	3.79	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	5.04	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Jan-2023	<20.0	4.06	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Jan-2023	<20.0	3.86	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	5.66	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	4.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.30	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 215
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Feb-2023	<20.0	5.44	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	5.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	5.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Feb-2023	<20.0	5.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1h ours)	01(annual)	05(annual)

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Table: 216
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	7.35	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.43	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
31-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 217
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Kutabaga Village/ South East of Working Face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
11-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	4.15	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	5.26	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	5.81	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	7.01	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 218
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Kutabaga Village/ South East of Working Face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
14-May-2022	<20.0	7.15	<0.1	<1.0	<1.0
20-May-2022	<20.0	6.12	<0.1	<1.0	<1.0
21-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
25-May-2022	<20.0	4.89	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 219
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Kutabaga Village/ South East of Working Face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-Jun-2022	<20.0	5.52	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	6.11	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	6.15	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	6.89	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	6.14	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	6.12	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	5.11	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 220
Area: Basundhara

Project	Garjanbahal OCP					
Monitoring Station	Kutabaga Village/ South East of Working Face					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
6-Jul-22	<20.0	7.36	<0.1	<1.0	<1.0	1.35
7-Jul-22	<20.0	5.98	<0.1	<1.0	<1.0	0.96
13-Jul-22	<20.0	4.57	<0.1	<1.0	<1.0	0.75
14-Jul-22	<20.0	6.37	<0.1	<1.0	<1.0	0.83
22-Jul-22	<20.0	6.05	<0.1	<1.0	<1.0	0.46
23-Jul-22	<20.0	4.89	<0.1	<1.0	<1.0	1.63
29-Jul-22	<20.0	5.63	<0.1	<1.0	<1.0	0.64
30-Jul-22	<20.0	5.34	<0.1	<1.0	<1.0	0.88
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 221
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Kutabaga Village/ South East of Working Face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	5.41	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
29-Aug-2022	<20.0	6.22	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	6.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:222
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
07-Sep-2022	<20.0	5.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	7.11	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	6.24	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	6.33	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	4.95	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	5.96	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 223
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
10-Oct-2022	<20.0	7.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	6.43	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	6.29	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	3.98	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	6.20	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	4.73	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	5.18	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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Table:224
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
02-Nov-2022	<20.0	5.29	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	6.11	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Nov-2022	<20.0	6.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Nov-2022	<20.0	3.99	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	4.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 225
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Dec-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	7.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	3.2	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.8	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	7.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	4.76	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	5.87	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 226
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Jan-2023	<20.0	7.88	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Jan-2023	<20.0	7.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Jan-2023	<20.0	3.2	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Jan-2023	<20.0	5.8	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	4.76	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	5.51	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	4.07	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 227
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Feb-2023	<20.0	5.14	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	5.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	7.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	4.65	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	5.59	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Feb-2023	<20.0	6.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1h ours)	01(annual)	05(annual)

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Table: 228
Area: Basundhara

Project	Garjanbahal OCP							
Monitoring Station	Kutabaga Village/ South East of Working Face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.10	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	7.18	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	6.61	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	5.92	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	5.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
31-Mar-2023	<20.0	4.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 229
Area: Basundhara

<i>Project</i>	Kulda OCP				
<i>Monitoring Station</i>	Bihaimunda Village/ South west of working face				
<i>Date of sampling</i>	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
11-Apr-2022	<20.0	6.76	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	7.51	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	6.66	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	7.21	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	4.83	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	5.62	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 230
Area: Basundhara

<i>Project</i>	Kulda OCP				
<i>Monitoring Station</i>	Bihaimunda Village/ South west of working face				
<i>Date of sampling</i>	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
04-May-2022	<20.0	5.86	<0.1	<1.0	<1.0
05-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.33	<0.1	<1.0	<1.0
13-May-2022	<20.0	6.36	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.66	<0.1	<1.0	<1.0
21-May-2022	<20.0	5.71	<0.1	<1.0	<1.0
25-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 231
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	Bihaimunda Village/ South west of working face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	5.87	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	4.86	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	4.67	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.67	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 232
Area: Basundhara

Project	Kulda OCP					
Monitoring Station	Bihaimunda Village/ South west of working face					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
6-Jul-22	<20.0	5.36	<0.1	<1.0	<1.0	0.95
7-Jul-22	<20.0	4.56	<0.1	<1.0	<1.0	1.23
13-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.89
14-Jul-22	<20.0	6.48	<0.1	<1.0	<1.0	1.21
22-Jul-22	<20.0	6.34	<0.1	<1.0	<1.0	1.60
23-Jul-22	<20.0	6.05	<0.1	<1.0	<1.0	1.57
29-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	1.51
30-Jul-22	<20.0	4.68	<0.1	<1.0	<1.0	1.49
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 233
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	Bihaimunda Village/ South west of working face				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
05-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	7.13	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.82	<0.1	<1.0	<1.0
13-Aug-2022	<20.0	7.07	<0.1	<1.0	<1.0
22-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
29-Aug-2022	<20.0	6.56	<0.1	<1.0	<1.0
30-Aug-2022	<20.0	6.41	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 234
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
07-Sep-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	4.75	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	6.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Sep-2022	<20.0	4.96	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	3.99	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 235
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
10-Oct-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.86	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	7.10	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	6.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	3.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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JOB NO.750001

Table: 236
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Nov-2022	<20.0	5.60	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	5.53	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Nov-2022	<20.0	5.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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Table: 237
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	7.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Dec-2022	<20.0	3.2	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Dec-2022	<20.0	6.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 238
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
01-Jan-2023	<20.0	3.94	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Jan-2023	<20.0	3.79	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	5.04	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Jan-2023	<20.0	4.06	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Jan-2023	<20.0	3.86	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	5.66	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	4.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.30	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 239
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Feb-2023	<20.0	5.44	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	5.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	5.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Feb-2023	<20.0	5.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1h ours)	01(annual)	05(annual)

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Table: 240
Area: Basundhara

Project	Kulda OCP							
Monitoring Station	Bihaimunda Village/ South west of working face (Reported only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	7.35	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.43	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
31-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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Table: 241
Area: Orient

Project	Orient Mine No.2				
Monitoring Station	VIP Guest House, IB Valley				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Apr-2022	<20.0	4.92	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	5.25	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	4.83	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	3.92	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	4.02	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 242
Area: Orient

Project	Orient Mine No.2				
Monitoring Station	VIP Guest House, IB Valley(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
03-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
09-May-2022	<20.0	5.84	<0.1	<1.0	<1.0
10-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
16-May-2022	<20.0	6.01	0.1	<1.0	<1.0
17-May-2022	<20.0	7.15	<0.1	<1.0	<1.0
23-May-2022	<20.0	6.86	<0.1	<1.0	<1.0
24-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 243
Area: Orient

Project	Orient Mine No.2				
Monitoring Station	VIP Guest House, IB Valley(Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
03-Jun-2022	<20.0	4.59	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.68	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.24	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	6.74	0.1	<1.0	<1.0
21-Jun-2022	<20.0	6.34	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.84	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	4.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 244
Area: Orient

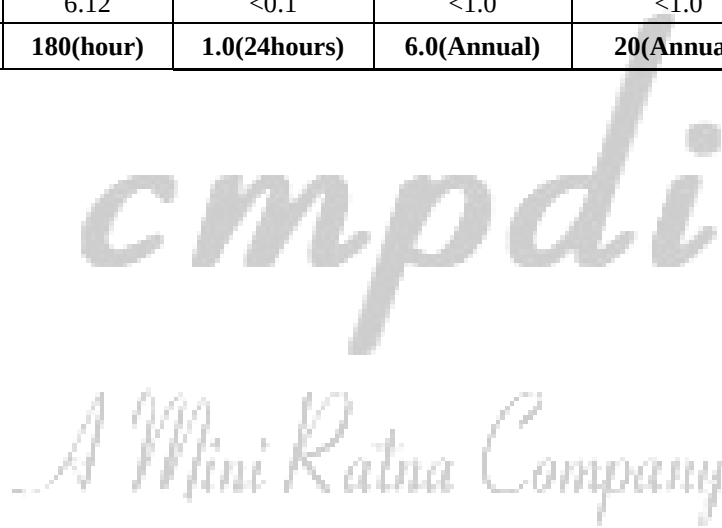
Project	Orient Mine No.2					
Monitoring Station	VIP Guest House, IB Valley(Reported Only)					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	(mg/m^3)
4-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.93
5-Jul-22	<20.0	5.62	<0.1	<1.0	<1.0	0.62
11-Jul-22	<20.0	7.64	<0.1	<1.0	<1.0	0.23
12-Jul-22	<20.0	5.39	<0.1	<1.0	<1.0	0.75
20-Jul-22	<20.0	6.30	<0.1	<1.0	<1.0	0.87
21-Jul-22	<20.0	5.34	<0.1	<1.0	<1.0	0.89
27-Jul-22	<20.0	6.21	<0.1	<1.0	<1.0	0.96
28-Jul-22	<20.0	6.81	<0.1	<1.0	<1.0	1.49
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 245
Area: Orient

Project	Orient Mine No.2				
Monitoring Station	VIP Guest House IB Valley (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	5.92	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	7.17	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	6.71	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	7.01	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	5.92	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table: 246
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	5.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	6.74	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.11	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	7.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	5.57	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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VII, BHUBANESWAR

JOB NO.750001

Table: 247
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
06-Oct-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Oct-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
13-Oct-2022	<20.0	5.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21Oct-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	6.17	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	5.98	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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VII, BHUBANESWAR

JOB NO.750001

Table: 248
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley (Reported)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	6.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	6.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.94	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 249
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Dec-2022	<20.0	6.4	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	3.16	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	6.8	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	4.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 250
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	5.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 251
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	6.47	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	7.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	5.54	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	7.04	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	8.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 252
Area: Orient

Project	Orient Mine No.2							
Monitoring Station	VIP Guest House, IB Valley (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	5.58	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.49	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	8.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table:253
Area: Orient

Project	HBI Mine				
Monitoring Station	Rampur Officers Guest House				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
11-Apr-2022	<20.0	7.01	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	5.82	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	7.05	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	6.83	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	7.43	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	6.86	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	7.01	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	5.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:254
Area: Orient

Project	HBI Mine				
Monitoring Station	Rampur Officers Guest House				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
07-May-2022	<20.0	5.76	<0.1	<1.0	<1.0
13-May-2022	<20.0	5.51	<0.1	<1.0	<1.0
14-May-2022	<20.0	6.63	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.05	<0.1	<1.0	<1.0
21-May-2022	<20.0	5.81	<0.1	<1.0	<1.0
27-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
28-May-2022	<20.0	6.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table:255
Area: Orient

Project	HBI Mine				
Monitoring Station	Rampur Officers Guest House				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	4.67	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.04	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	6.02	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.27	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	5.68	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:256
Area: Orient

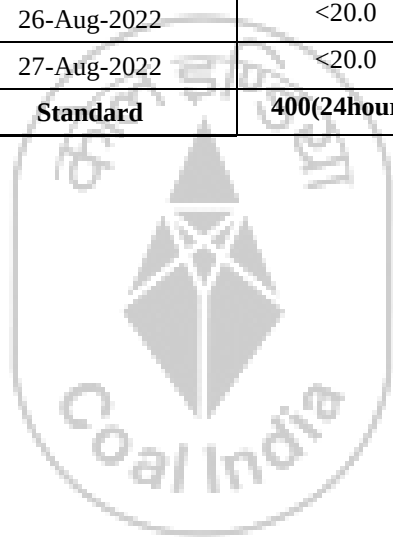
Project	HBI Mine					
Monitoring Station	Rampur Officers Guest House					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)
4-Jul-22	<20.0	6.31	<0.1	<1.0	<1.0	0.63
5-Jul-22	<20.0	4.69	<0.1	<1.0	<1.0	0.23
11-Jul-22	<20.0	5.87	<0.1	<1.0	<1.0	0.38
12-Jul-22	<20.0	5.61	<0.1	<1.0	<1.0	0.96
20-Jul-22	<20.0	6.57	<0.1	<1.0	<1.0	0.11
21-Jul-22	<20.0	6.98	<0.1	<1.0	<1.0	0.18
27-Jul-22	<20.0	3.97	<0.1	<1.0	<1.0	0.09
28-Jul-22	<20.0	6.35	<0.1	<1.0	<1.0	0.23
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 257
Area: Orient

Project	HBI Mine				
Monitoring Station	Rampur Officers Guest House				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	5.89	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	5.73	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	3.93	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	5.71	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.62	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	5.51	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	5.59	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table: 258
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	6.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	5.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	4.08	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	5.73	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	5.61	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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JOB NO.750001

Table:259
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
06-Oct-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Oct-2022	<20.0	6.13	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	6.11	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	4.81	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	5.61	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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VII, BHUBANESWAR

JOB NO.750001

Table:260
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	02	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	5.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	7.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	4.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	5.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.30	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	6.61	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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JOB NO.750001

Table:261
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Dec-2022	<20.0	5.8	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	7.8	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	5.49	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	6.52	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	4.2	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	5.86	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	5.4	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 262
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.46	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	4.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	5.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	5.03	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 263
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	5.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	7.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	7.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	5.54	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	4.98	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

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Table:264
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Officers Guest House							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	6.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	5.86	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	4.80	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	7.13	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table 265
Area: Orient

Project	Orient OCP				
Monitoring Station	Rampur Sub Area				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
11-Apr-2022	<20.0	6.28	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	6.82	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	6.25	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	5.71	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	6.21	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	4.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 266
Area: Orient

Project	Orient OCP				
Monitoring Station	Rampur Sub Area				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	4.93	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.02	<0.1	<1.0	<1.0
14-May-2022	<20.0	7.23	<0.1	<1.0	<1.0
13-May-2022	<20.0	4.59	<0.1	<1.0	<1.0
20-May-2022	<20.0	3.92	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
28-May-2022	<20.0	4.86	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

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Table: 267
Area: Orient

Project	Orient OCP				
Monitoring Station	Rampur Sub Area				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	5.24	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	3.14	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	5.55	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 268
Area: Orient

Project	Orient OCP					
Monitoring Station	Rampur Sub Area					
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)
4-Jul-22	<20.0	6.66	<0.1	<1.0	<1.0	0.65
5-Jul-22	<20.0	7.28	<0.1	<1.0	<1.0	0.73
11-Jul-22	<20.0	6.54	<0.1	<1.0	<1.0	0.64
12-Jul-22	<20.0	6.38	<0.1	<1.0	<1.0	0.61
20-Jul-22	<20.0	6.57	<0.1	<1.0	<1.0	0.58
21-Jul-22	<20.0	5.39	<0.1	<1.0	<1.0	0.53
27-Jul-22	<20.0	6.38	<0.1	<1.0	<1.0	0.45
28-Jul-22	<20.0	5.87	<0.1	<1.0	<1.0	0.91
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)

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Table: 269
Area: Orient

Project	Orient OCP				
Monitoring Station	Rampur Sub Area				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
04-Aug-2022	<20.0	6.02	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	5.19	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.22	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	5.50	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.61	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	5.88	<0.1	<1.0	<1.0
27-Aug-2022	<20.0	5.99	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table: 270
Area: Orient

Project	Orient OCP							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Sep-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	4.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 271
Area: Orient

Project	Orient OCP							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
10-Oct-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	6.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Oct-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Oct-2022	<20.0	5.59	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 272
Area: Orient

Project	Orient OCP							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
03-Nov-2022	<20.0	6.54	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
11-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Nov-2022	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Nov-2022	<20.0	5.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Nov-2022	<20.0	6.43	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 273
Area: Orient

Project	Orient OCP							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Dec-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Dec-2022	<20.0	6.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Dec-2022	<20.0	6.59	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Dec-2022	<20.0	4.3	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Dec-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Dec-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Dec-2022	<20.0	3.5	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Dec-2022	<20.0	4.76	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 274
Area: Orient

Project	Orient OCP							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
04-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Jan-2023	<20.0	5.11	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Jan-2023	<20.0	5.20	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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JOB NO.750001

Table: 275
Area: Orient

Project	Orient OCP							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.57	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.63	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	6.14	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.72	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Feb-2023	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Feb-2023	<20.0	7.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	5.38	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

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Table: 276
Area: Orient

Project	HBI Mine							
Monitoring Station	Rampur Sub Area							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Mar-2023	<20.0	4.86	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	6.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	8.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	8.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.81	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

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JOB NO.750001

CARBON MONOXIDE MONITORING RESULTS

Table: 277

Area: Lakhanpur

<i>Project</i>	Belpahar OCP
<i>Monitoring Station</i>	Near Central Workshop
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
03-Sep-2022	0.4
23-Sep-2022	0.2
03-Oct-2022	0.1
19-Oct-2022	0.3
05-Nov-2022	0.1
19-Nov-2022	0.2
03-Dec-2022	0.2
26-Dec-2022	0.4
05-Jan-2023	0.5
19-Jan-2023	0.4
07-Mar-2023	0.3
18-Mar-2023	0.2
Standard	04(1 Hours)

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Table: 278

Area: Lakhanpur

<i>Project</i>	Belpahar OCP
<i>Monitoring Station</i>	Near Magazine House
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m³
03-Sep-2022	0.2
20-Sep-2022	0.4
03-Oct-2022	0.3
18-Oct-2022	0.1
04-Nov-2022	0.3
19-Nov-2022	0.3
03-Dec-2022	0.3
26-Dec-2022	0.2
05-Jan-2023	0.3
19-Jan-2023	0.1
07-Mar-2023	0.1
18-Mar-2023	0.2
Standard	04(1 Hours)

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Table: 279

Area: Lakhanpur

<i>Project</i>	Lakhanpur OCP
<i>Monitoring Station</i>	Near Quarry 3
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
03-Sep-2022	0.1
20-Sep-2022	0.3
03-Oct-2022	0.2
18-Oct-2022	0.3
04-Nov-2022	0.2
19-Nov-2022	0.4
03-Dec-2022	0.1
24-Dec-2022	0.2
04-Jan-2023	0.2
18-Jan-2023	0.3
13-Mar-2023	0.4
30-Mar-2023	0.5
Standard	04(1 Hours)

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Table: 280

Area: Lakhanpur

<i>Project</i>	Lakhanpur OCP
<i>Monitoring Station</i>	Near Lilari Nallah Pump House
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
03-Sep-2022	0.1
19-Sep-2022	0.3
03-Oct-2022	0.2
18-Oct-2022/	0.4
03-Nov-2022	0.3
18-Nov-2022	0.1
03-Dec-2022	0.4
24-Dec-2022	0.1
04-Jan-2023	
18-Jan-2023	0.1
13-Mar-2023	0.2
30-Mar-2023	0.1
Standard	04(1 Hours)

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Table: 281

Area: Mahalaxmi

Project	Basundhara OCP
Monitoring Station	North of the Sardega Railway Siding
Date of sampling	Carbon Monoxide (CO)
	Mg/m³
03-Sep-2022	0.3
26-Sep-2022	0.4
03-Oct-2022	0.3
17-Oct-2022	0.2
09-Nov-2022	0.2
23-Nov-2022	0.1
05-Dec-2022	0.2
19-Dec-2022	0.1
11-Jan-2023	0.3
25-Jan-2023	0.2
09-Mar-2023	0.1
27-Mar-2023	0.4
Standard	04(1 Hours)



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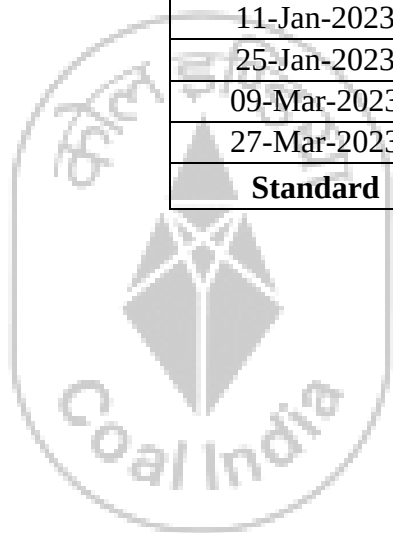
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Table: 282

Area: Mahalaxmi

Project	BasundharaOCP
Monitoring Station	West of Coal Stock Near Golf course
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Sep-2022	0.4
26-Sep-2022	0.1
03-Oct-2022	0.1
17-Oct-2022	0.3
09-Nov-2022	0.1
23-Nov-2022	0.3
05-Dec-2022	0.4
19-Dec-2022	0.2
11-Jan-2023	0.2
25-Jan-2023	0.3
09-Mar-2023	0.5
27-Mar-2023	0.1
Standard	04(1 Hours)



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Table: 283

Area: Mahalaxmi

<i>Project</i>	BasundharaOCP
<i>Monitoring Station</i>	South West of Working face Gopalpur Village, Near CMPDI Camp
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
05-Sep-2022	0.3
03-Oct-2022	0.2
17-Oct-2022	0.2
10-Nov-2022	0.3
24-Nov-2022	0.2
06-Dec-2022	0.3
20-Dec-2022	0.2
11-Jan-2023	0.2
25-Jan-2023	0.2
09-Mar-2023	0.3
27-Mar-2023	0.5
Standard	04(1 Hours)

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Table: 284

Area: Basundhara

<i>Project</i>	Garjanbahal OCP
<i>Monitoring Station</i>	Karlikachar Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m³
09-Mar-2023	0.2
27-Mar-2023	0.3
01-Oct-2022	0.1
17-Oct-2022	0.3
11-Nov-2022	0.3
25-Nov-2022	0.1
09-Dec-2022	0.1
23-Dec-2022	0.3
12-Jan-2023	0.4
25-Jan-2023	0.1
09-Mar-2023	0.2
27-Mar-2023	0.3
Standard	04(1 Hours)

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Table: 285

Area: Basundhara

<i>Monitoring Station</i>	KAN-1 Near Coal Sampling Lab
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m³
08-Sep-2022	0.3
30-Sep-2022	0.1
08-Oct-2022	0.3
17-Oct-2022	0.1
12-Jan-2023	0.2
25-Jan-2023	0.2
Standard	04(1 Hours)



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Table: 286

Area: Basundhara

<i>Project</i>	Garjanbahal OCP
<i>Monitoring Station</i>	Garjanbahal village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m³
06-Sep-2022	0.3
30-Sep-2022	0.2
08-Oct-2022	0.1
17-Oct-2022	0.4
11-Nov-2022	0.3
25-Nov-2022	0.1
09-Dec-2022	0.4
23-Dec-2022	0.4
12-Jan-2023	0.1
25-Jan-2023	0.4
09-Mar-2023	0.1
27-Mar-2023	0.4
Standard	04(1 Hours)

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Table: 287

Area: Basundhara

Project	Kulda OCP
Monitoring Station	External CT Road
Date of sampling	Carbon Monoxide (CO)
	mg/m³
13-Jan-2023	0.2
25-Jan-2023	0.2
Standard	04(1 Hours)

Table: 288

Area: Basundhara

Project	Garjanbahal OCP
Monitoring Station	KAN-1 Near Coal Sampling Lab
Date of sampling	Carbon Monoxide (CO)
	mg/m³
12-Jan-2023	0.2
25-Jan-2023	0.2
Standard	04(1 Hours)

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HALF YEARLY HEAVY METALS ANALYTICAL RESULTS

Table: 289
Area: IB Valley

Project	Samaleswari OCP				
Monitoring Station	West of the Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
01-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:290
Area: IB Valley

Project	Samaleswari OCP				
Monitoring Station	South of the Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
01-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:291
Area: IB Valley

Project	Samaleswari OCP				
Monitoring Station	East of the Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
01-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

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Table: 292
Area: IB Valley

Project	Samaleswari OCP				
Monitoring Station	South East of the Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
02-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:293
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Near Project Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
02-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:294
Area: IB Valley

Project	Lajkura OCP				
Monitoring Station	Near South Coal stock				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
02-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:295
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	Near Lilari Nallah Pump House				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
03-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:296
Area: Lakhanpur

Project	Lakhanpur OCP				
Monitoring Station	Near Quarry 3				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
04-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 297
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	Near Magazine House				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
04-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

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Table: 298
Area: Lakhanpur

Project	Belpahar OCP				
Monitoring Station	Near Central Workshop				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
05-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 299
Area: Lakhanpur

Project	Lilari OCP				
Monitoring Station	Near Lilari Magazine House				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
03-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

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Table: 300
Area: Mahalaxmi

Project	Basundhara OCP				
Monitoring Station	North of Sardega Railway siding				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
09-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 301
Area: Mahalaxmi

Project	Basundhara OCP				
Monitoring Station	West of Coal stock				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
09-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:302
Area: Mahalaxmi

Project	Basundhara OCP				
Monitoring Station	South West of Working face Gopalpur village, Near CMPDI Camp				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
10-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 303
Area: Basundhara

Project	Kulda OCP				
Monitoring Station	External CT Road				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
10-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 304
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Karlakachar Village				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
11-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

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Table: 305
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	Garjanbahal Village				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
11-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:306
Area: Basundhara

Project	Garjanbahal OCP				
Monitoring Station	KAN-1 Near Coal sampling Lab				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
12-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

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Table:307
Area: Orient

Project	Orient Mine No. 1 & 2				
Monitoring Station	Orient mine no 2				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
05-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:308
Area: Orient

Project	Orient Mine No. 3				
Monitoring Station	Orient mine no 3				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
05-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 309
Area: Orient

Project	HBI Mine				
Monitoring Station	HBI Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)	(µg/m3)
05-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table:310
Area: Orient

Project	HBI Mine				
Monitoring Station	Bundia Colony Pump House				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
05-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
0-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

Table: 311
Area: Orient

Project	Orient Mine No. 4				
Monitoring Station	Orient Mine No. 4				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Cadmium (Cd)	Chromium (Cr)
	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)	(μg/m ³)
05-Nov-2022	<1.0	<1.0	<0.1	<0.1	<0.1
-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	1.0(24hours)		

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SECTION 9: WATER ANALYSIS REPORT

9.1: CONCEPT & SCOPE

The Water quality of the project area plays an important role on the socio economy of the Project. The higher concentrations of the water pollutants have serious impacts on the environment. Hence, it becomes important to assess the water quality periodically in the project vicinity.

Keeping this in the mind, different types of water samples viz, Drinking Water Sample from village wells, Surface Water Sample from Ib River & its tributaries (Up-Stream & Down-Stream), Ponds and Effluent water sample from OCP mine sump water & domestic & effluent treatment plants were collected. Well water level was measured quarterly. Qualitative & quantitative analysis of samples from piezometers was also done..

The quality of drinking water samples were compared with respect to IS 10500:2012 specification & the surface water quality was compared with respect to IS 2296: 1982 Class-C and found that the concentration of the target analysts are within the prescribed limits.

Bacterial examination was also carried out to find out the Coliform contamination at water sources.



Figure 05. Water sampling at Mine Sump

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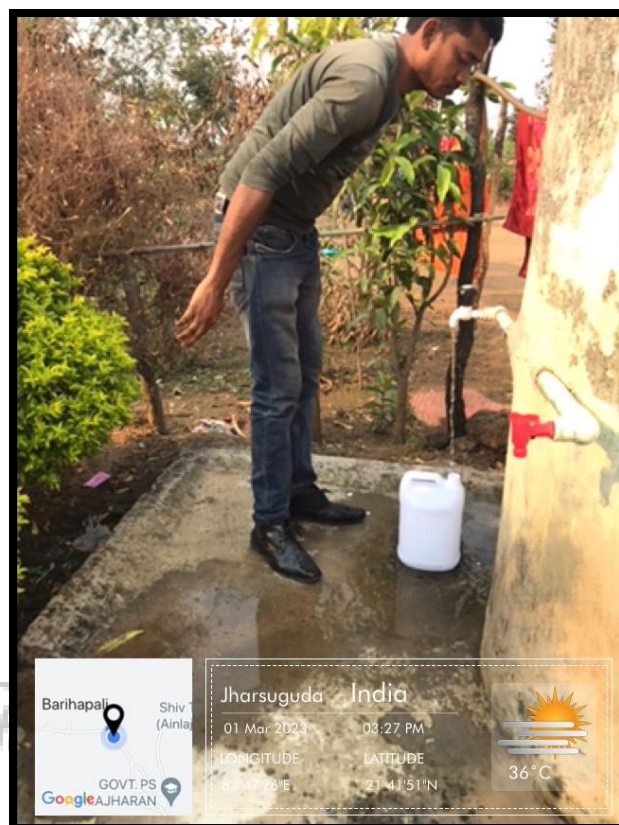


Figure 06. Water sampling at Village



Figure 07. Water sampling at Reservoir

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9.2: ANALYTICAL RESULTS

9.2.1 EFFLUENT WATER ANALYTICAL RESULTS

Table:312

Area: Ib valley

Project: Samleswari OCP

Monitoring station: Discharge Water at Mine Sump

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.7	<4.0	16	24
25-Apr-22	6.63	<4.0	34	20
09-May-22	8.04	<4.0	40	32
18-May-22	7.3	<4.0	44	24
10-Jun-22	6.92	<4.0	28	32
22-Jun-22	6.78	<4.0	30	36
07-Jul-22	8.2	<4.0	38	24
21-Jul-22	7.25	<4.0	24	28
04-Aug-22	6.71	<4.0	40	32
18-Aug-22	7.03	<4.0	26	20
12-Sep-22	7.21	<4.0	22	32
19-Sep-22	7.18	<4.0	16	28
10-Oct-22	7.13	<4.0	26	16
26-Oct-22	7.07	<4.0	28	16
07-Nov-22	7.05	<4.0	28	20
21-Nov-22	7.09	<4.0	24	12
08-Dec-22	6.96	<4.0	20	24
22-Dec-22	7.03	<4.0	26	20
11-Jan-23	7.11	<4.0	34	28
23-Jan-23	7.05	<4.0	26	32
08-Feb-23	7.13	<4.0	32	16
20-Feb-23	6.93	<4.0	24	12
09-Mar-23	7.14	<4.0	18	20
23-Mar-23	6.97	<4.0	24	16

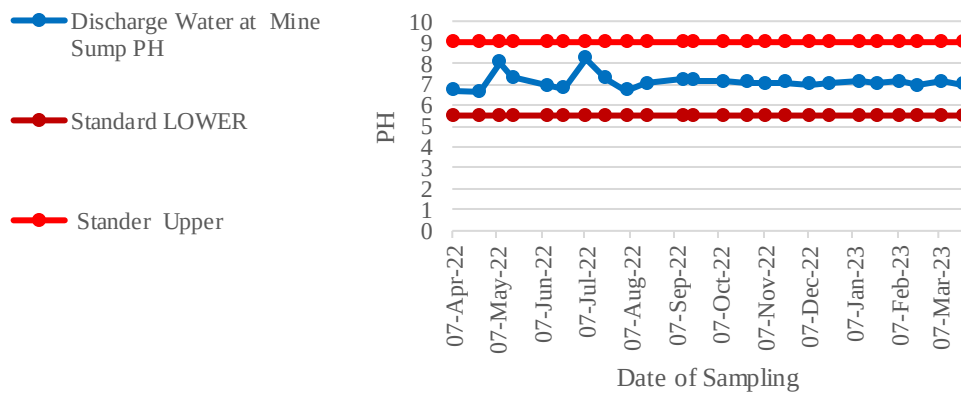
All dimensions are in mg/l unless otherwise stated except pH

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

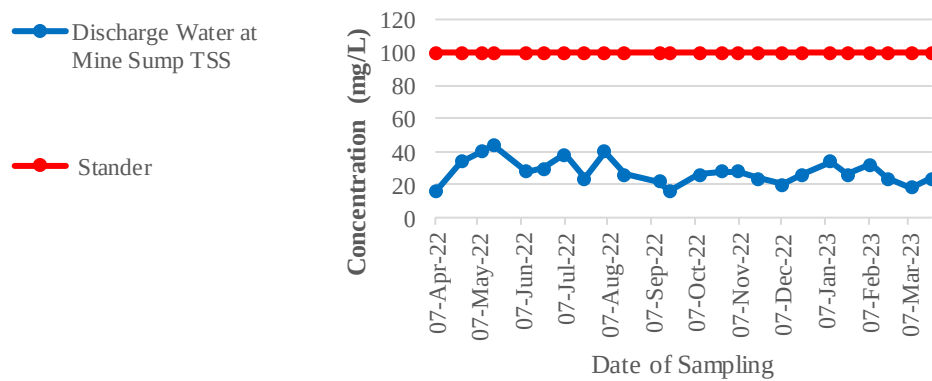
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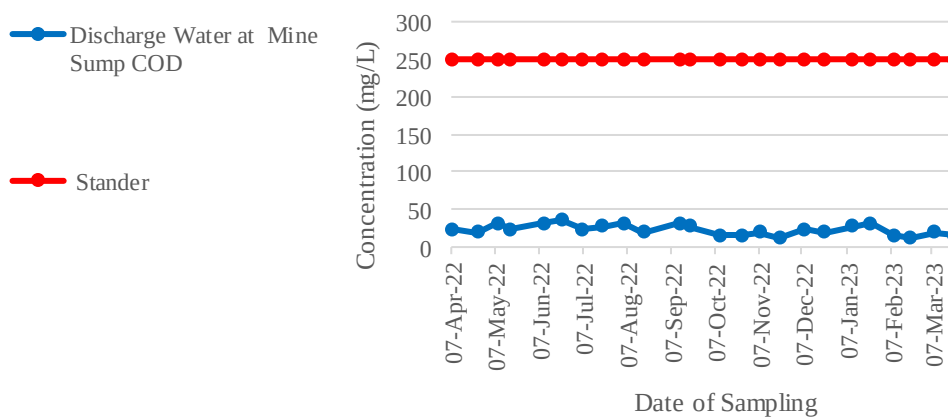
Graph Showing pH for Discharge Water at Mine Sump



Graph Showing TSS for Discharge Water at Mine Sump



Graph Showing COD for Discharge Water at Mine Sump



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Table:313

Area: Ib valley**Project:** Samleswari OCP**Monitoring station:** STP Outlet

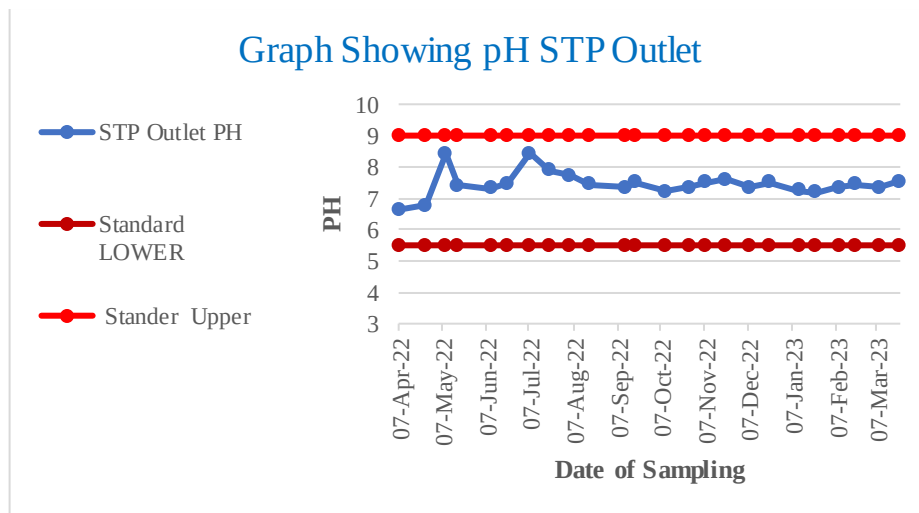
Date of Sampling	pH	TSS	BOD
07-Apr-22	6.64	22	<2
25-Apr-22	6.76	28	<2
09-May-22	8.43	30	<2
18-May-22	7.41	28	<2
10-Jun-22	7.31	44	<2
22-Jun-22	7.46	36	<2
07-Jul-22	8.42	44	<2
21-Jul-22	7.88	36	<2
04-Aug-22	7.73	40	<2
18-Aug-22	7.45	32	<2
12-Sep-22	7.33	38	<2
19-Sep-22	7.49	34	<2
10-Oct-22	7.21	34	<2
26-Oct-22	7.35	30	<2
07-Nov-22	7.49	26	<2
21-Nov-22	7.59	32	<2
08-Dec-22	7.33	36	<2
22-Dec-22	7.49	42	<2
11-Jan-23	7.25	30	<2
23-Jan-23	7.18	30	<2
08-Feb-23	7.33	34	<2
20-Feb-23	7.45	32	<2
09-Mar-23	7.34	44	<2
23-Mar-23	7.53	34	<2

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

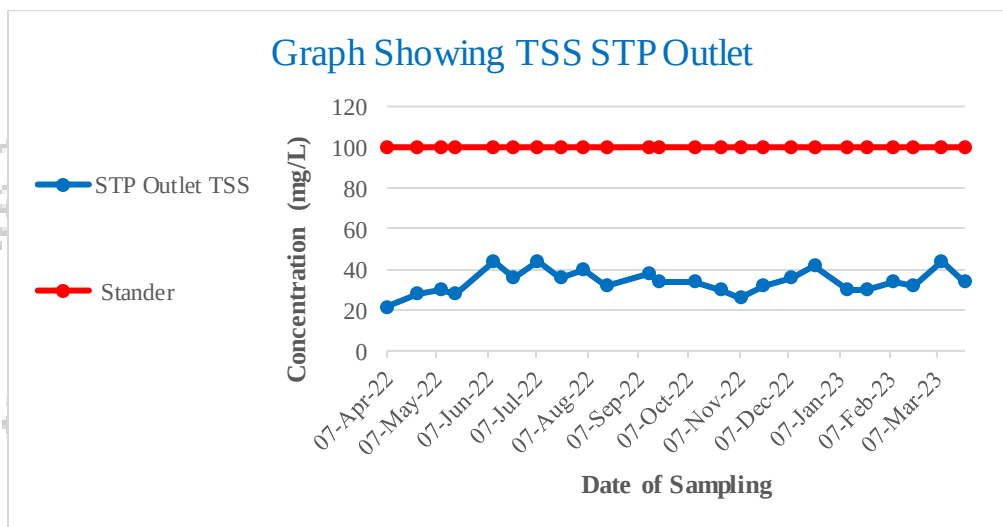
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Graph Showing pH STP Outlet



Graph Showing TSS STP Outlet



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Table:314

Area: Ib valley**Project:** Samleswari OCP**Monitoring station:** STP Inlet

Date of Sampling	pH	TSS	BOD
09-May-22	8.24	42	<2.0
04-Aug-22	7.41	52	<2.0
08-Sep-22	7.19	42	<2.0
12-Sep-22	7.21	22	<2.0
07-Nov-22	7.31	42	<2.0
08-Feb-23	7.19	42	<2.0

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

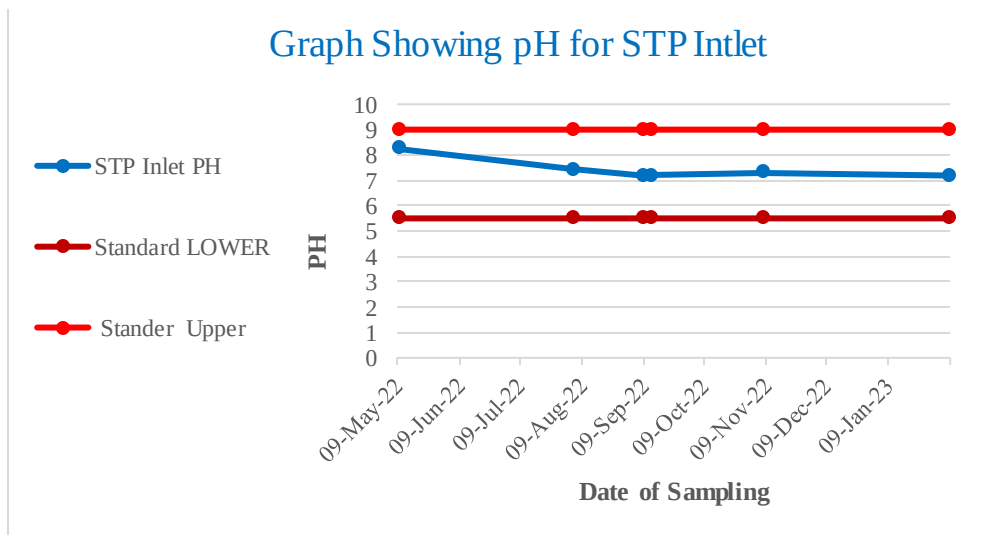


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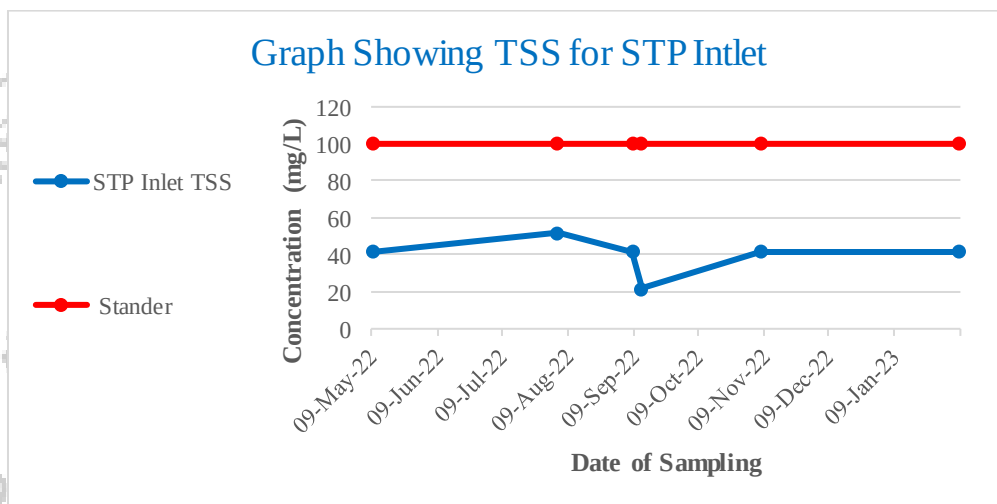
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Graph Showing pH for STP Inlet



Graph Showing TSS for STP Inlet



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Table:315

Area: Ib valley**Project:** Samleswari OCP**Monitoring station:** Inlet of ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.87	<4.0	44	32
10-Jun-22	7.21	<4.0	42	32
09-Mar-23	7.22	<4.0	26	28

Table:316

Area: Ib valley**Project:** Samleswari OCP**Monitoring station:** Outlet of ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.93	<4.0	28	20
10-Jun-22	7.28	<4.0	34	24
09-Mar-23	7.38	<4.0	22	24

Table:317

Area: Ib valley**Project:** Samleswari OCP**Monitoring station:** Mine Sump Water

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.79	<4.0	30	24
10-Jun-22	6.92	<4.0	28	20
09-Mar-23	7.29	<4.0	28	16

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

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Table:318

Area: Ib valley**Project:** Samleswari OCP**Monitoring station:** Mine Sump Water

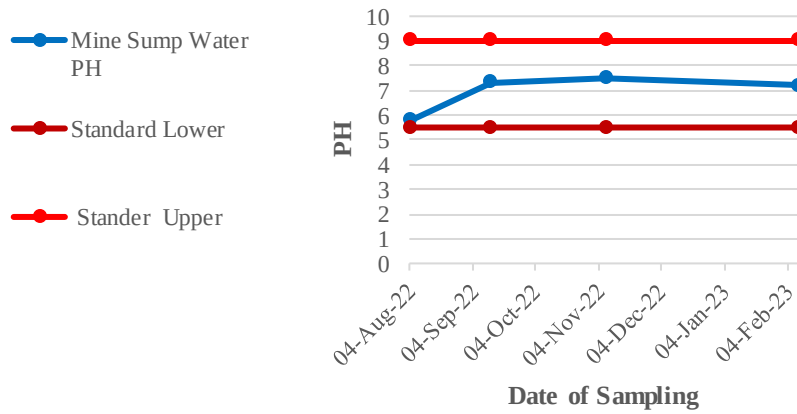
Date of Sampling	pH	Oil & Grease	TSS	COD
04-Aug-22	5.78	<4.0	54	40
12-Sep-22	7.32	<4.0	28	16
07-Nov-22	7.49	<4.0	34	36
08-Feb-23	7.2	<4.0	24	20

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

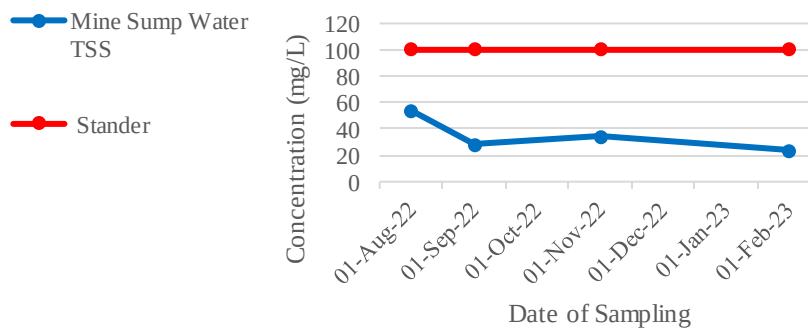
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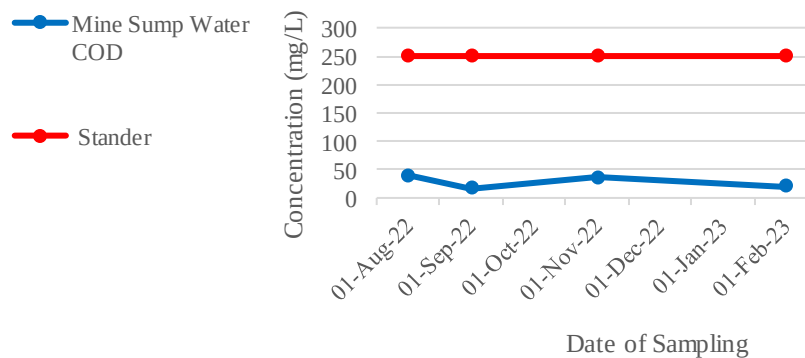
Graph Showing for pH of Mine Sump Water



Graph Showing for TSS of Mine Sump Water



Graph Showing for COD of Mine Sump Water



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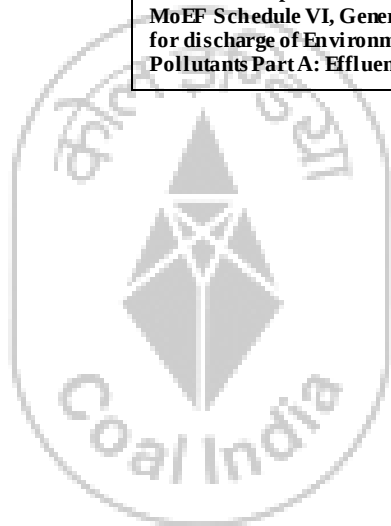
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Table:319

Area: Ib valley**Project:** Lajkura OCP**Monitoring station:** Inlet of MDTP

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.79	<4.0	42	36
04-Aug-22	7.19	<4.0	38	28
07-Nov-22	7.39	<4.0	46	36
08-Feb-23	7.21	<4.0	44	48

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



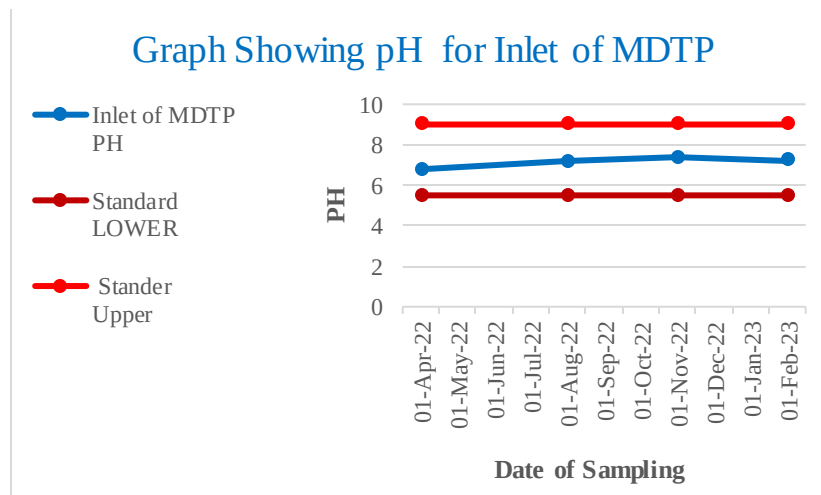
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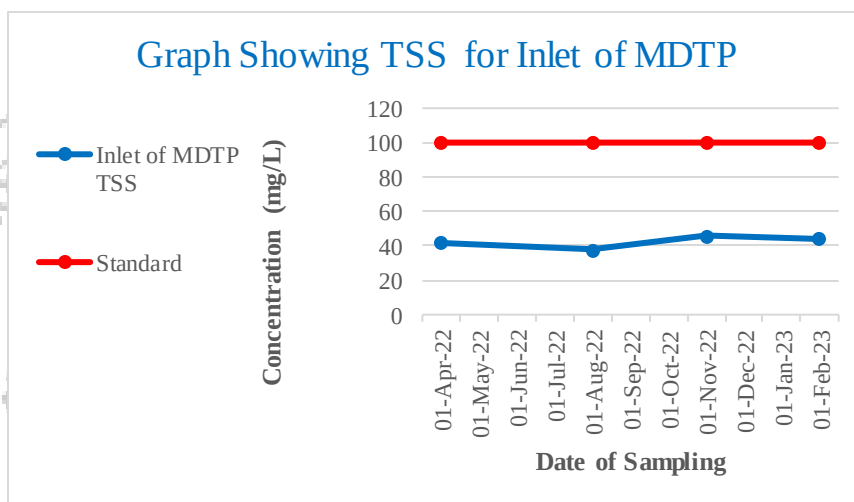
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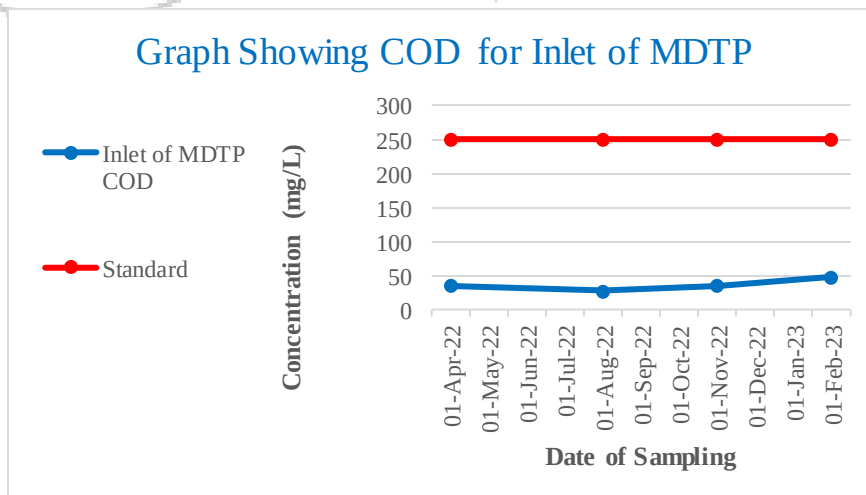
Graph Showing pH for Inlet of MDTP



Graph Showing TSS for Inlet of MDTP



Graph Showing COD for Inlet of MDTP



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Table:320

Area: Ib valley**Project:** Lajkura OCP**Monitoring station** Outlet of MDTP

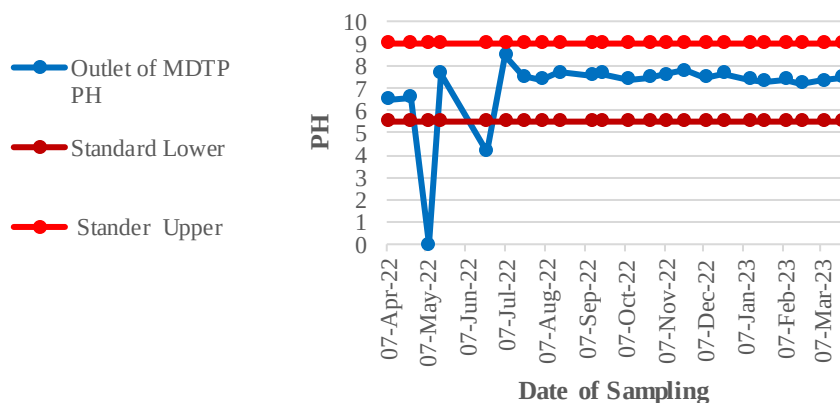
Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.49	<4.0	44	36
25-Apr-22	6.59	<4.0	52	36
09-May-22	N/A	N/A	N/A	N/A
18-May-22	7.64	<4.0	28	16
22-Jun-22	4.14	<4.0	22	20
07-Jul-22	8.46	<4.0	40	28
21-Jul-22	7.53	<4.0	28	20
04-Aug-22	7.4	<4.0	32	20
18-Aug-22	7.71	<4.0	44	32
12-Sep-22	7.59	<4.0	48	32
19-Sep-22	7.68	<4.0	42	24
10-Oct-22	7.4	<4.0	40	24
26-Oct-22	7.49	<4.0	32	36
07-Nov-22	7.63	<4.0	28	28
22-Nov-22	7.79	<4.0	26	16
08-Dec-22	7.47	<4.0	32	16
22-Dec-22	7.65	<4.0	38	40
11-Jan-23	7.39	<4.0	32	20
23-Jan-23	7.3	<4.0	38	28
08-Feb-23	7.39	<4.0	30	36
20-Feb-23	7.21	<4.0	38	20
09-Mar-23	7.36	<4.0	34	36
23-Mar-23	7.49	<4.0	28	20

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

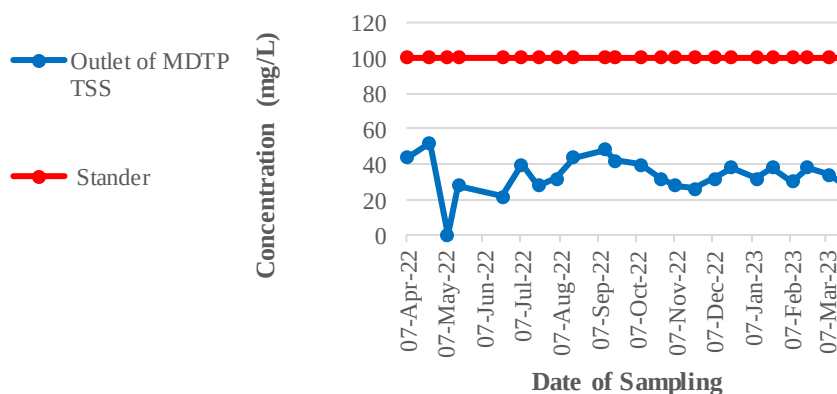
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JOB NO.750001

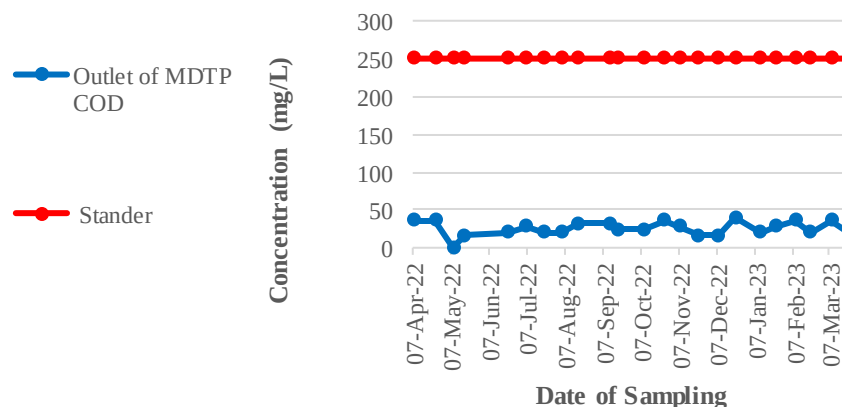
Graph Showing for pH of Outlet of MDTP



Graph Showing for TSS of Outlet of MDTP



Graph Showing for COD of Outlet of MDTP



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Table:321

Area: Ib valley**Project:** Lajkura OCP**Monitoring station:** STP Inlet

Date of Sampling	pH	Oil & Grease	TSS	COD	
04-Aug-22	7.42	<4.0	48	32	-
12-Sep-22	7.38	<4.0	20	8	-
07-Nov-22	7.21	-	48	-	<2
08-Feb-23	7.1	-	40	-	<2

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

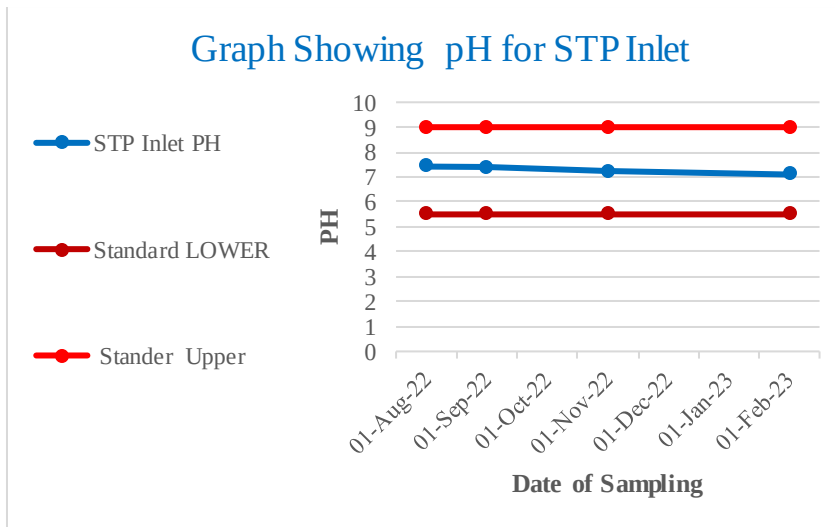


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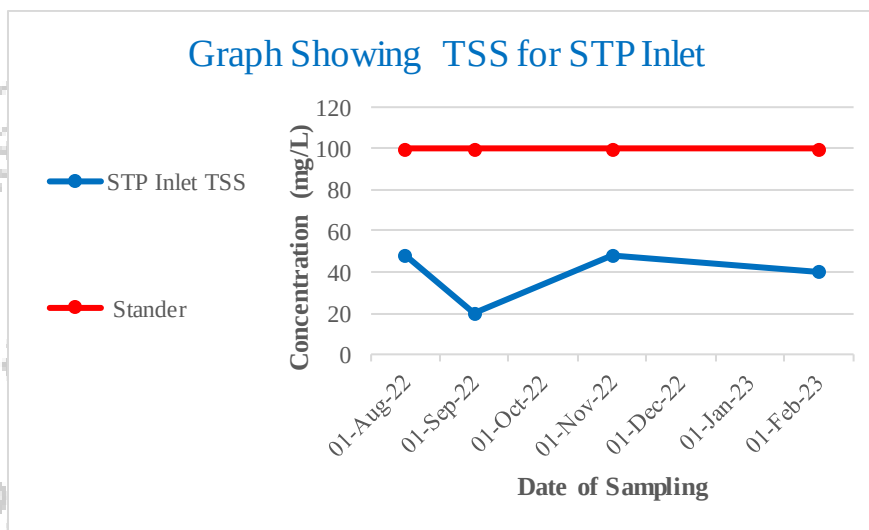
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

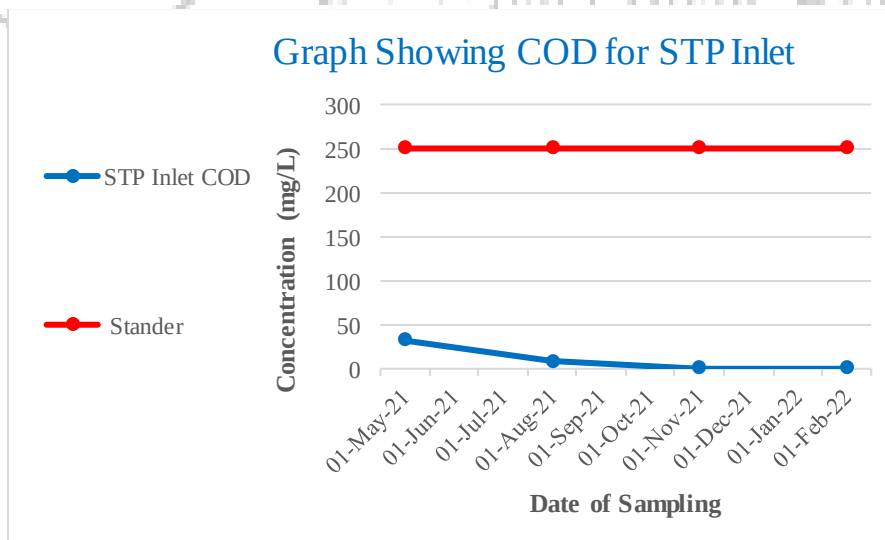
Graph Showing pH for STP Inlet



Graph Showing TSS for STP Inlet



Graph Showing COD for STP Inlet



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Table:322

Area: Ib Valley**Project:** Lajkura OCP**Monitoring station:** STP Outlet

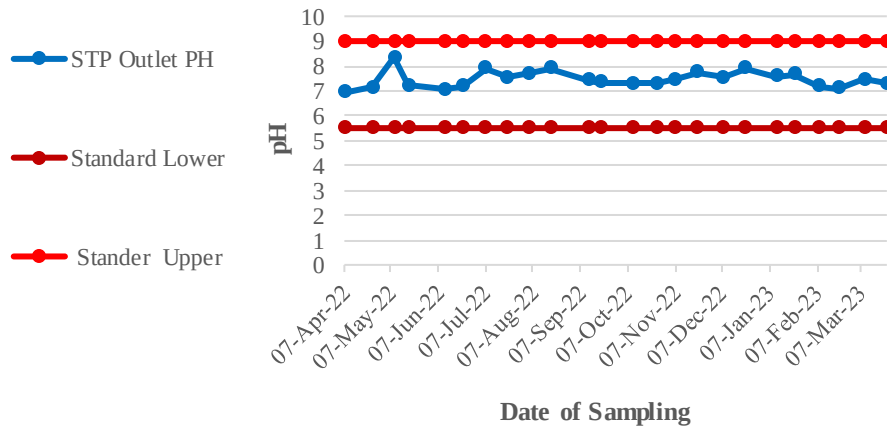
Date of Sampling	pH	TSS	BOD
07-Apr-22	6.93	34	<2
25-Apr-22	7.14	40	<2
09-May-22	8.35	20	<2
18-May-22	7.23	34	<2
10-Jun-22	7.06	34	<2
22-Jun-22	7.19	36	<2
07-Jul-22	7.91	44	<2
21-Jul-22	7.54	34	<2
04-Aug-22	7.69	38	<2
18-Aug-22	7.89	46	<2
12-Sep-22	7.41	52	<2
19-Sep-22	7.32	46	<2
10-Oct-22	7.3	44	<2
26-Oct-22	7.29	36	<2
07-Nov-22	7.47	32	<2
21-Nov-22	7.72	28	<2
08-Dec-22	7.53	38	<2
22-Dec-22	7.89	44	<2
11-Jan-23	7.57	36	<2
23-Jan-23	7.64	32	<2
08-Feb-23	7.19	26	<2
20-Feb-23	7.08	34	<2
09-Mar-23	7.45	26	<2
23-Mar-23	7.29	32	<2
07-Apr-23	6.93	34	<2

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

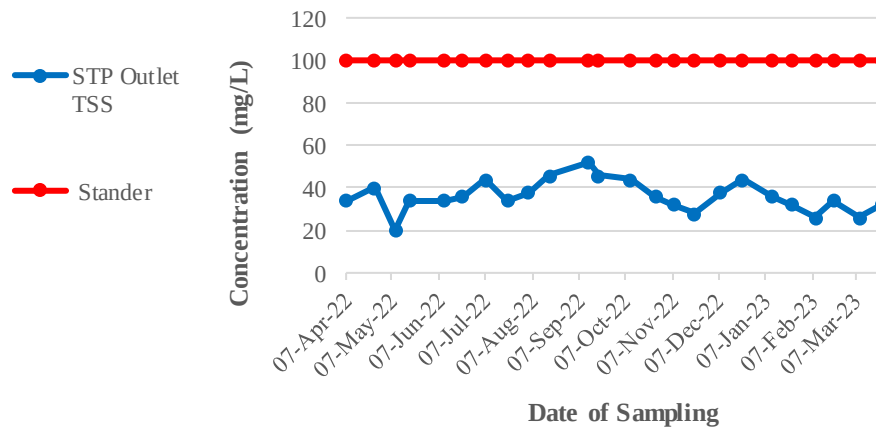
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Graph Showing for pH of STP Outlet



Graph Showing for TSS of STP Outlet



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Table:323

Area: Ib valley**Project:** Lajkura OCP**Monitoring station:** Inlet OF ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.88	<4.0	48	40
04-Aug-22	7.68	<4.0	58	32
07-Nov-22	6.41	<4.0	44	32
08-Feb-23	6.87	<4.0	46	40

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

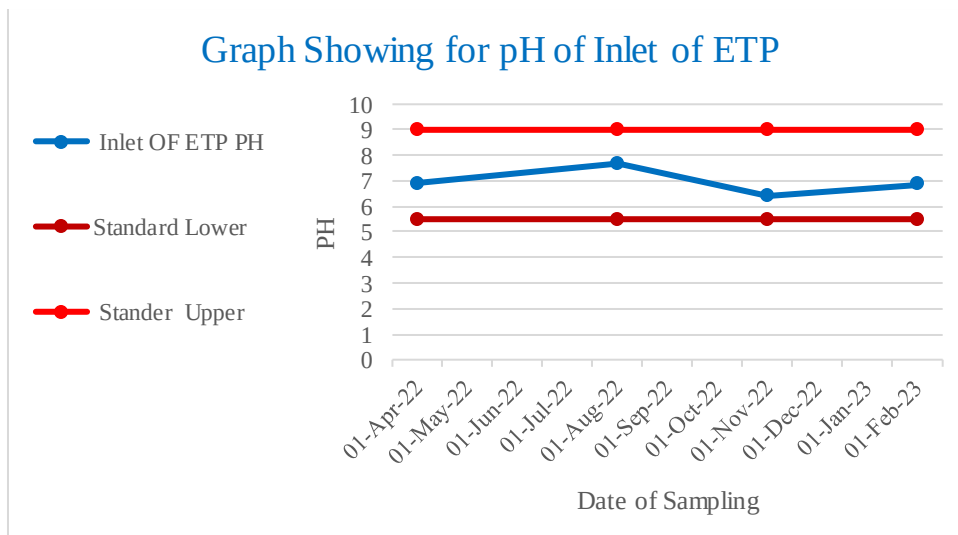


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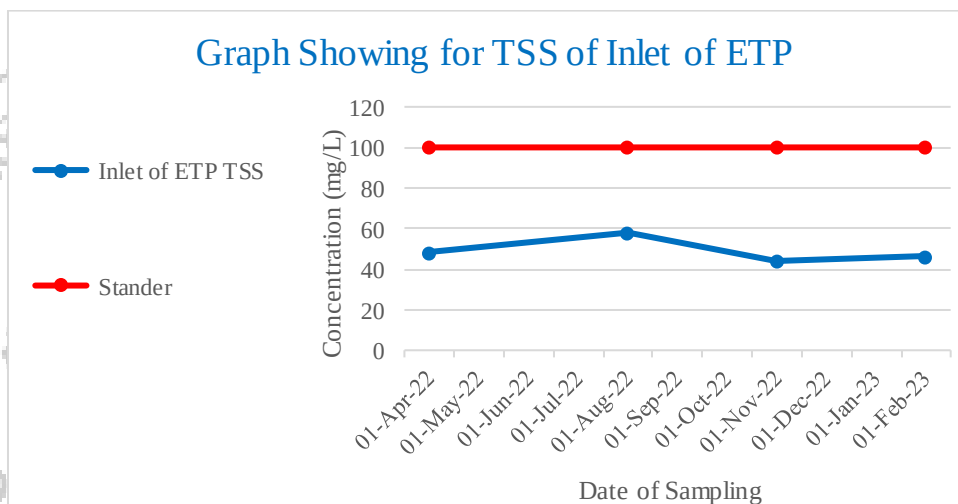
**PREPARED BY: CENTRAL MINE PLANNING &
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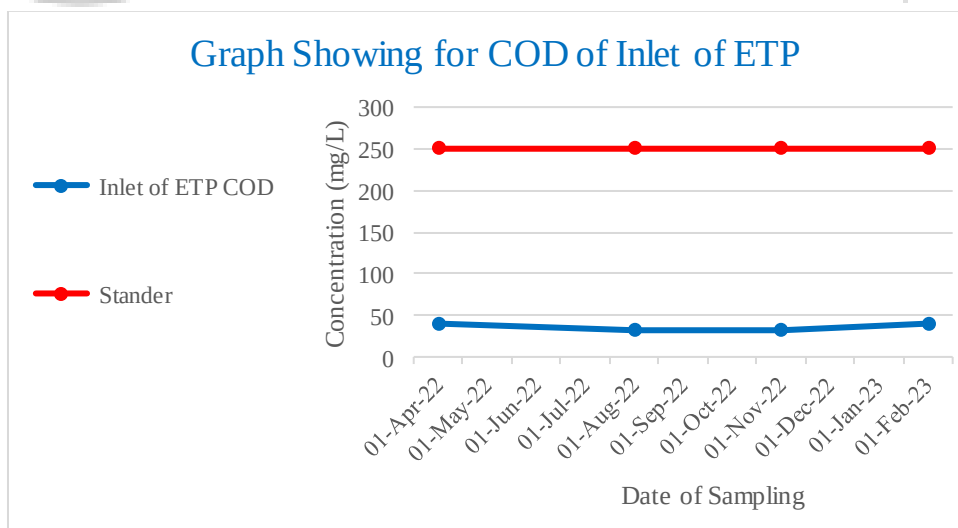
Graph Showing for pH of Inlet of ETP



Graph Showing for TSS of Inlet of ETP



Graph Showing for COD of Inlet of ETP



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Table:324

Area: Ib valley**Project:** Lajkura OCP**Monitoring station:** Outlet of ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	6.98	<4.0	32	28
04-Aug-22	7.91	<4.0	44	24
07-Nov-22	6.73	<4.0	30	24
08-Feb-23	6.96	<4.0	34	32

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

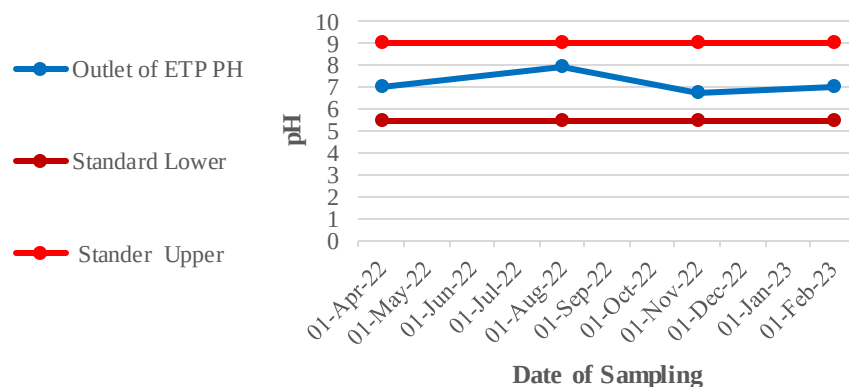


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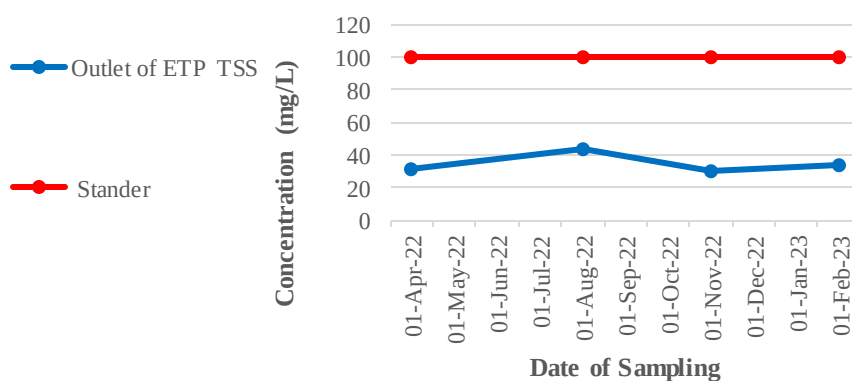
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JOB NO.750001

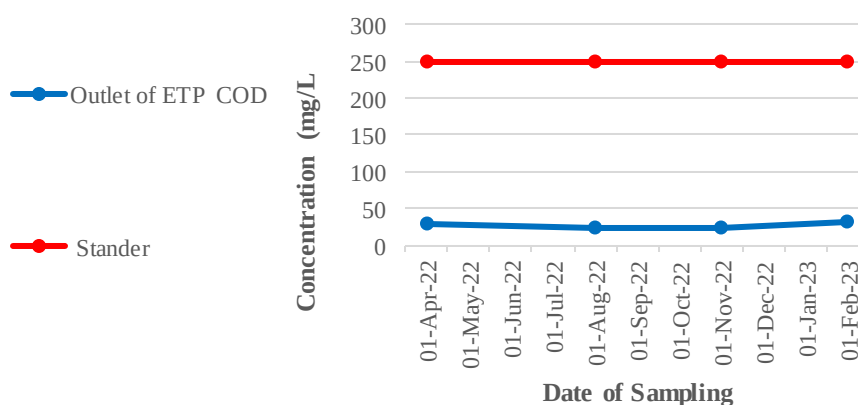
Graph Showing for pH of Outlet of ETP



Graph Showing for TSS of Outlet of ETP



Graph Showing for COD of Outlet of ETP



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Table:325

Area: Ib valley**Project:** Central Hospital**Monitoring station:** Outlet of ETP of Central Hospital

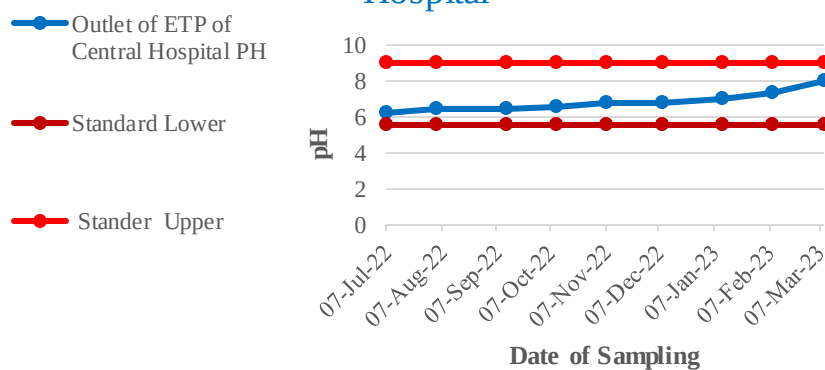
Date of Sampling	pH	Oil & Grease	TSS	COD	BOD
07-Jul-22	6.19	<4.0	38	28	<2
04-Aug-22	6.39	<4.0	34	32	<2
12-Sep-22	6.44	<4.0	40	32	<2
10-Oct-22	6.53	<4.0	36	20	<2
07-Nov-22	6.74	<4.0	28	20	<2
08-Dec-22	6.79	<4.0	34	24	<2
11-Jan-23	6.95	<4.0	30	24	<2
08-Feb-23	7.27	<4.0	24	12	<2
09-Mar-23	7.96	<4.0	36	12	<2

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

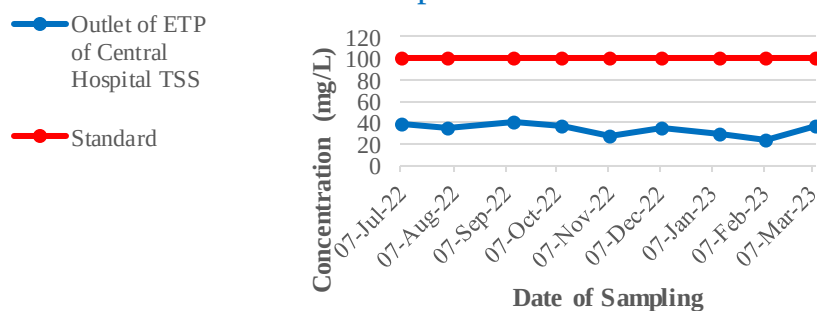
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

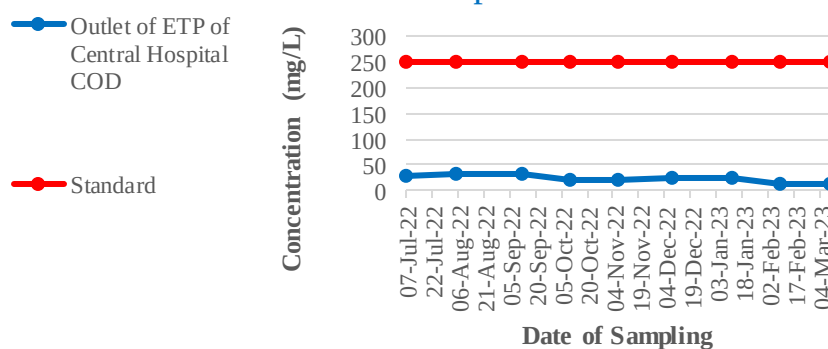
Graph Showing pH Outlet of ETP of Central Hospital



Graph Showing TSS Outlet of ETP of Central Hospital



Graph Showing COD Outlet of ETP of Central Hospital



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Table:326

Area: Ib valley**Project:** Central Hospital**Monitoring station:** Inlet of ETP of Central Hospital

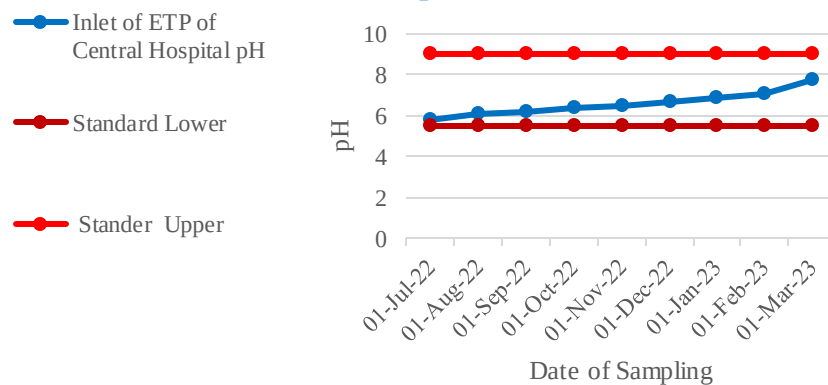
Date of Sampling	pH	Oil & Grease	TSS	COD	BOD
07-Jul-22	5.82	<4.0	54	36	<2
04-Aug-22	6.08	<4.0	50	40	<2
12-Sep-22	6.19	<4.0	58	40	<2
10-Oct-22	6.34	<4.0	48	32	<2
07-Nov-22	6.49	<4.0	40	32	<2
08-Dec-22	6.63	<4.0	46	36	<2
11-Jan-23	6.82	<4.0	42	36	<2
08-Feb-23	7.06	<4.0	36	24	<2
09-Mar-23	7.72	<4.0	24	16	<2

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

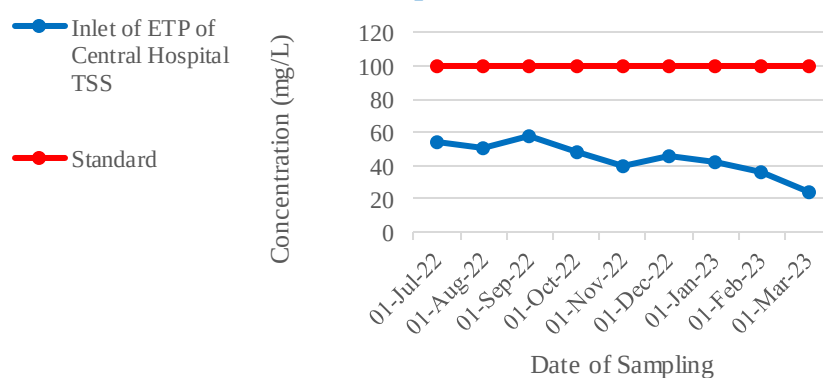
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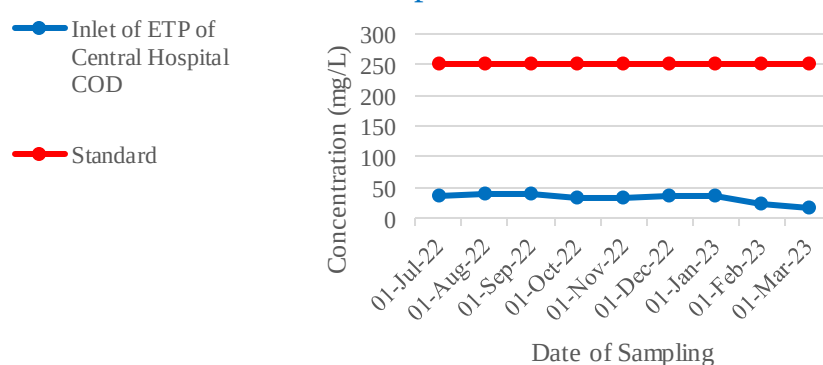
Graph Showing pH Inlet of ETP of Central Hospital



Graph Showing TSS Inlet of ETP of Central Hospital



Graph Showing COD Inlet of ETP of Central Hospital



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Table:327

Area: Ib valley**Project:** Central Hospital**Monitoring station:** Discharge Water

Date of Sampling	pH	Oil & Grease	TSS	COD	BOD
07-Apr-22	6.9	<4.0	24	20	<2
09-May-22	7.43	<4.0	24	16	<2
10-Jun-22	7.75	<4.0	26	20	<2

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



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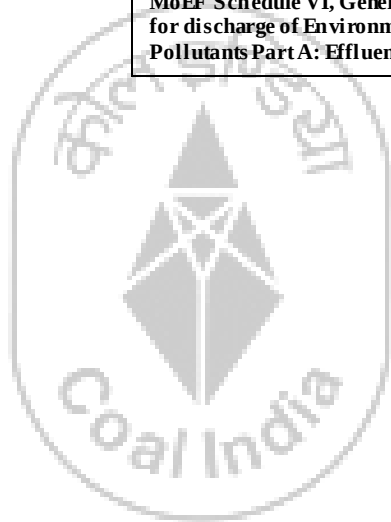
JOB NO.750001

Table:328

Area: Lakhanpur**Project:** Lilari OCP**Monitoring station:** Mine Sump Water

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Jul-22	7.24	<4.0	68	40
10-Oct-22	6.47	<4.0	40	24
09-Dec-22	6.79	<4.0	38	32
12-Jan-23	7.51	<4.0	30	24

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

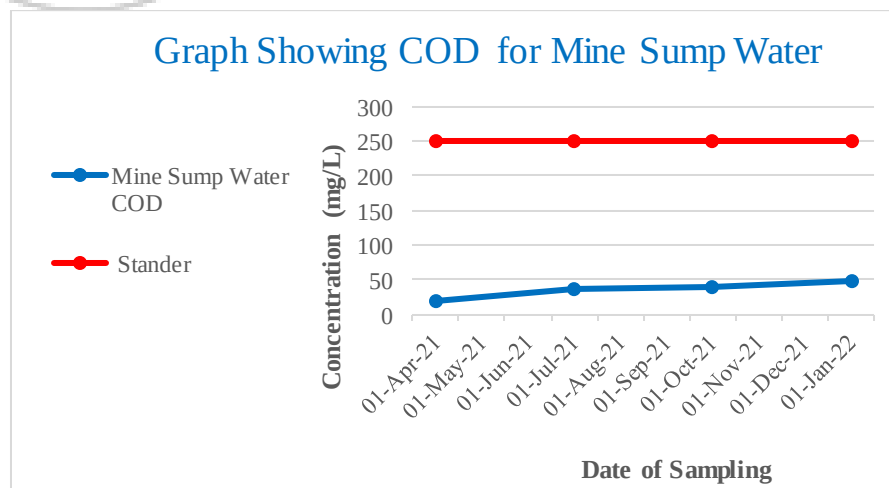
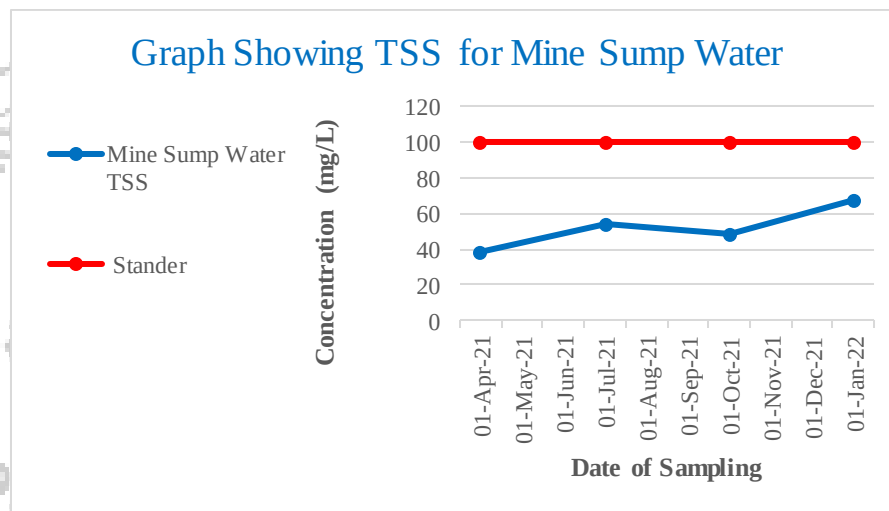
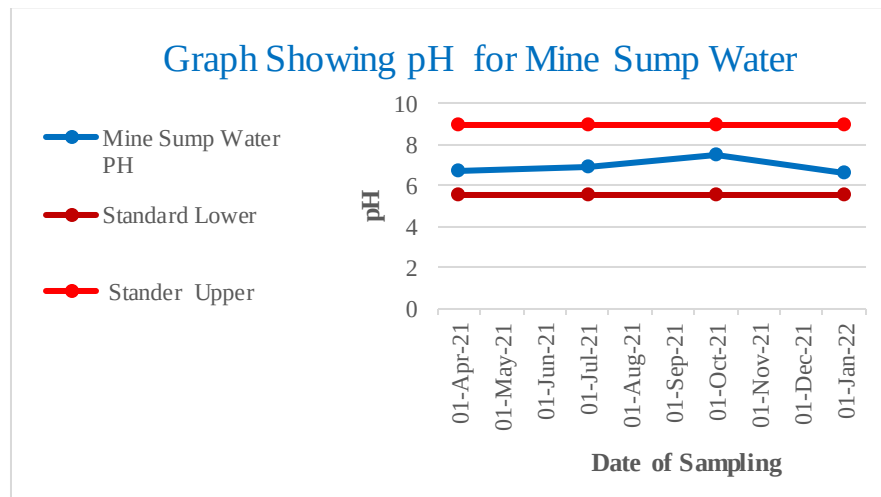


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Table:329

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring station:** Mine Sump Water

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.9	<4.0	30	32
08-Jul-22	7.81	<4.0	76	48
11-Oct-22	7.08	<4.0	34	16
12-Jan-23	7.21	<4.0	24	16
21-Feb-23	7.29	<4.0	42	40

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



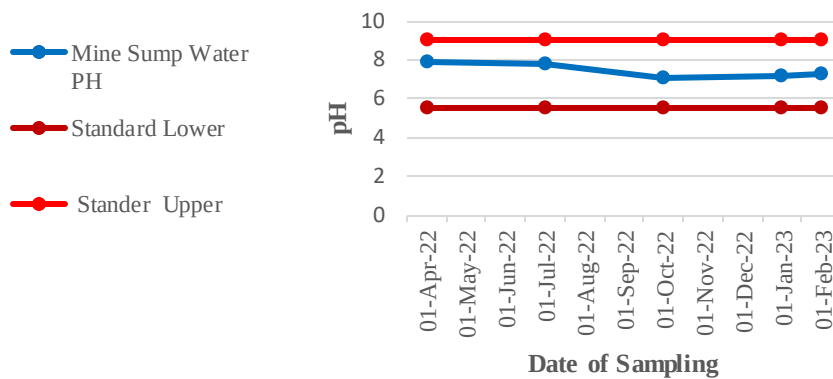
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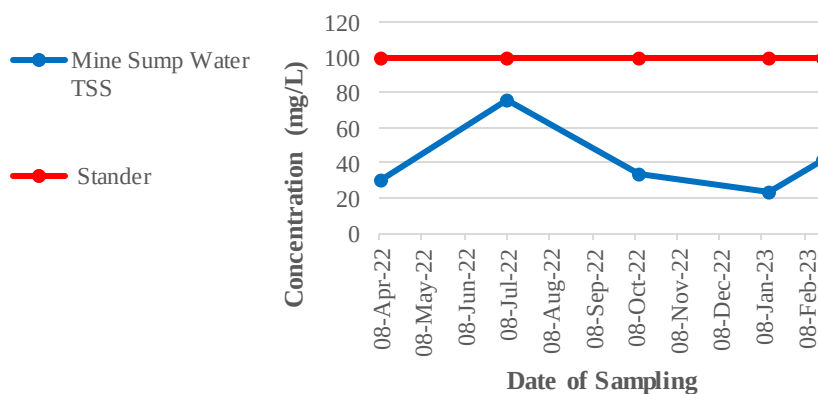
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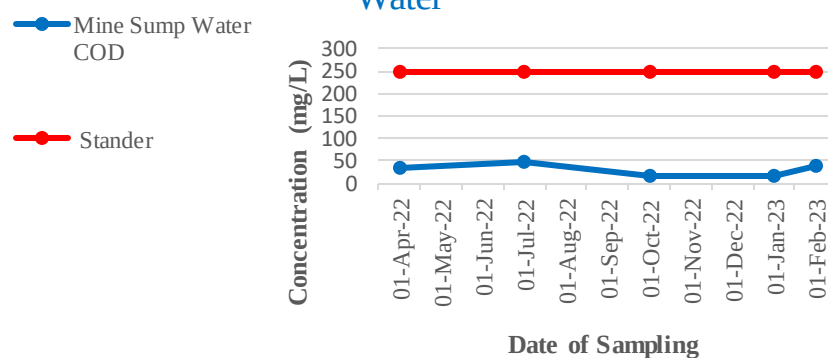
Graph Showing for pH of Mine Sump Water



Graph Showing for TSS of Mine Sump Water



Graph Showing for COD of Mine Sump Water



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Table:330

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring station:** Inlet of Secondary Sedimentation Tank

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.82	<4.0	42	32
08-Jul-22	7.51	<4.0	48	32
11-Oct-22	7.35	<4.0	48	40
12-Jan-23	8.03	<4.0	44	36

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



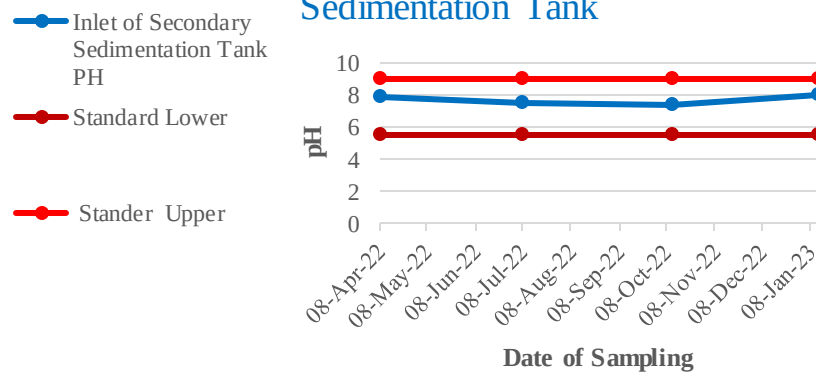
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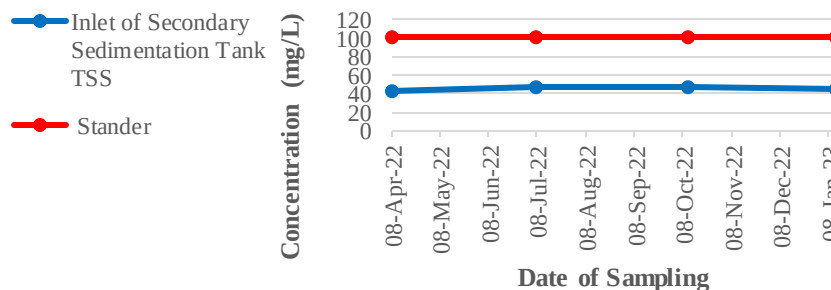
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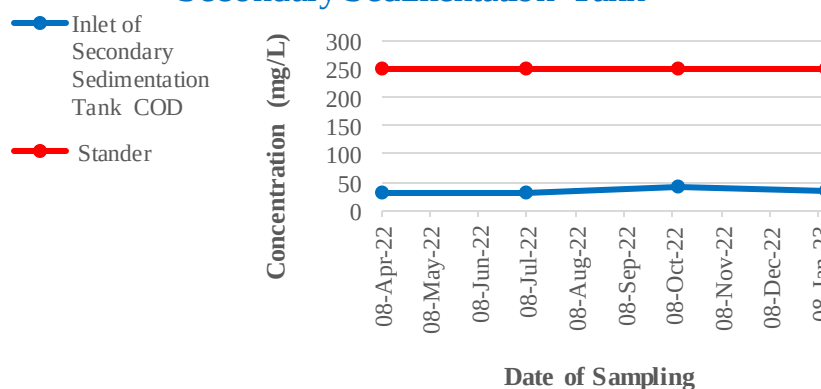
Graph Showing pH for Inlet of Secondary Sedimentation Tank



Graph Showing TSS for Inlet of Secondary Sedimentation Tank



Graph Showing for COD of Inlet of Secondary Sedimentation Tank



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Table: 331

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring station:** Outlet of Secondary Sedimentation Tank

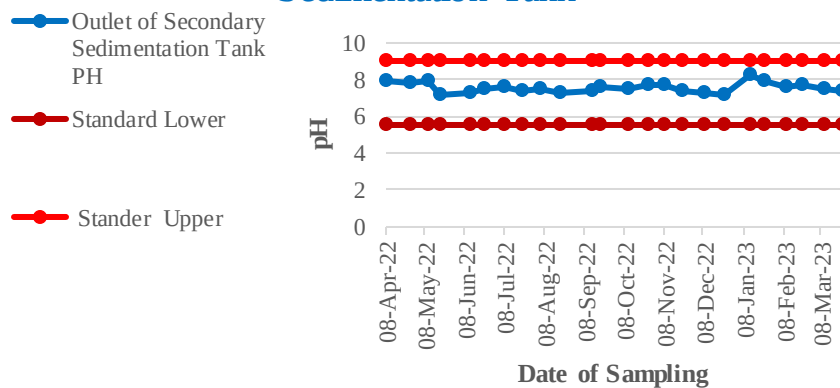
Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.91	<4.0	38	24
26-Apr-22	7.79	<4.0	46	40
10-May-22	7.89	<4.0	54	44
19-May-22	7.12	<4.0	20	28
11-Jun-22	7.29	<4.0	44	36
23-Jun-22	7.42	<4.0	72	44
08-Jul-22	7.62	<4.0	40	24
22-Jul-22	7.37	<4.0	28	12
05-Aug-22	7.48	<4.0	36	36
19-Aug-22	7.25	<4.0	32	28
13-Sep-22	7.36	<4.0	38	36
20-Sep-22	7.61	<4.0	48	40
11-Oct-22	7.51	<4.0	32	28
27-Oct-22	7.63	<4.0	28	32
08-Nov-22	7.69	<4.0	38	24
22-Nov-22	7.41	<4.0	32	20
09-Dec-22	7.2	<4.0	26	32
23-Dec-22	7.14	<4.0	20	12
12-Jan-23	8.19	<4.0	36	28
24-Jan-23	7.93	<4.0	46	40
09-Feb-23	7.59	<4.0	34	32
21-Feb-23	7.73	<4.0	28	24
10-Mar-23	7.52	<4.0	24	28
24-Mar-23	7.31	<4.0	36	32

MoEF&C.C. Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

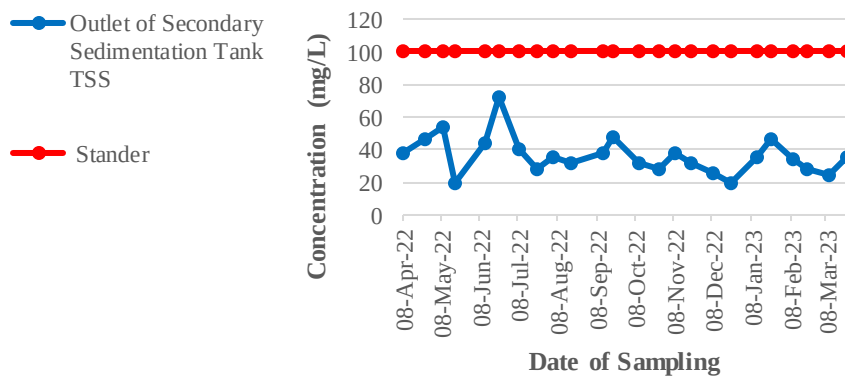
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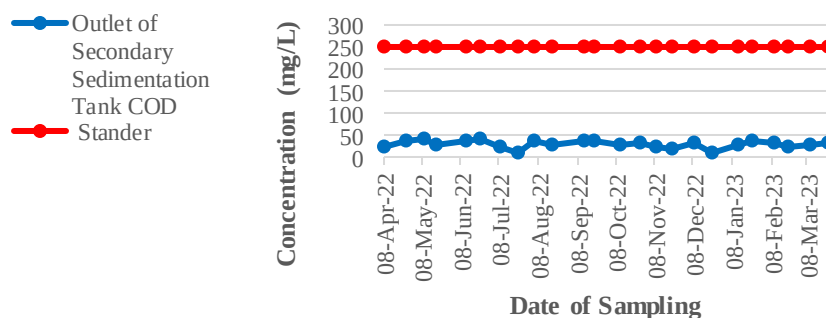
Graph Showing for pH of Outlet of Secondary Sedimentation Tank



Graph Showing for TSS of Outlet of Secondary Sedimentation Tank



Graph Showing for COD of Outlet of Secondary Sedimentation Tank



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Table:332

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring station:** O & G Trap Inlet

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.85	<4.0	34	28
08-Jul-22	7.64	<4.0	54	36
11-Oct-22	6.73	<4.0	52	36
12-Jan-23	7.48	<4.0	38	36

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

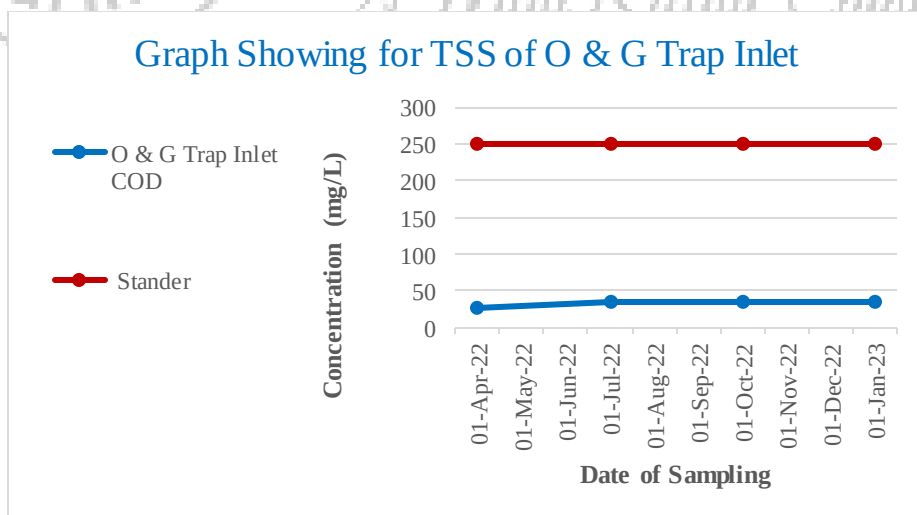
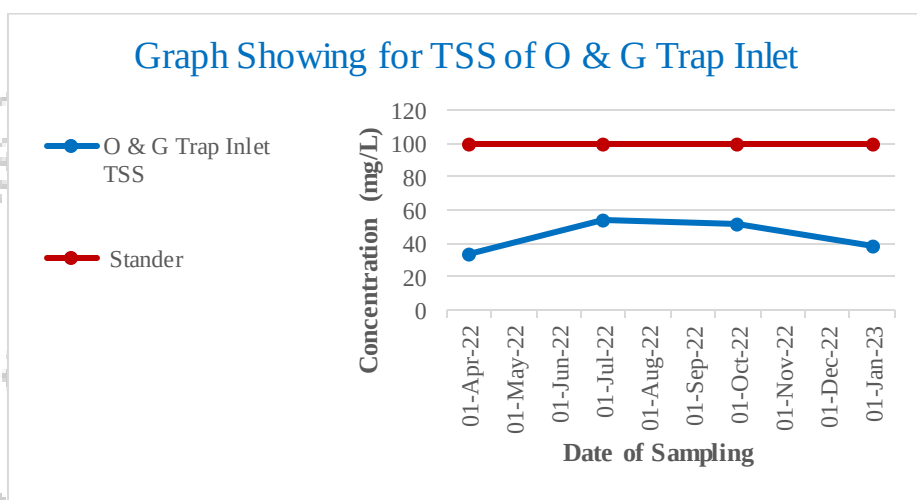
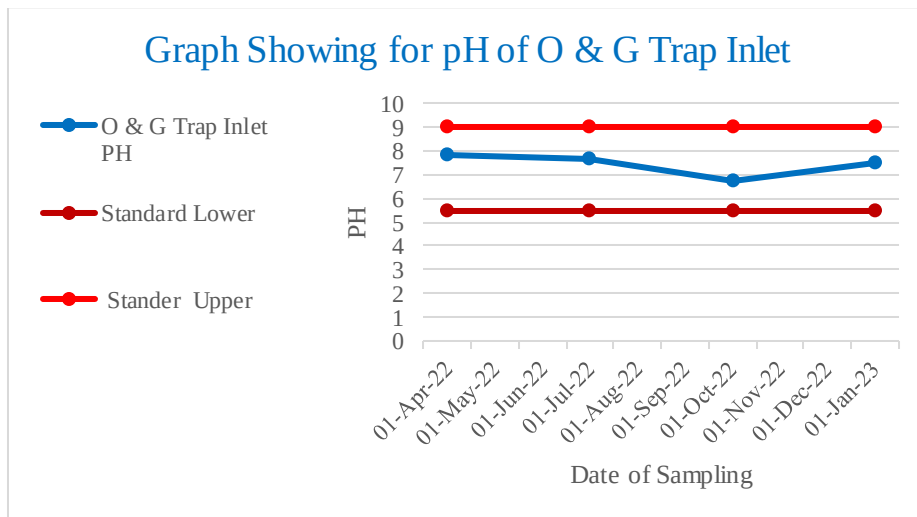


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Table:333

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring station:** O & G Trap Outlet

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.88	<4.0	26	16
08-Jul-22	7.73	<4.0	42	32
11-Oct-22	6.94	<4.0	38	20
12-Jan-23	7.59	<4.0	28	24

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

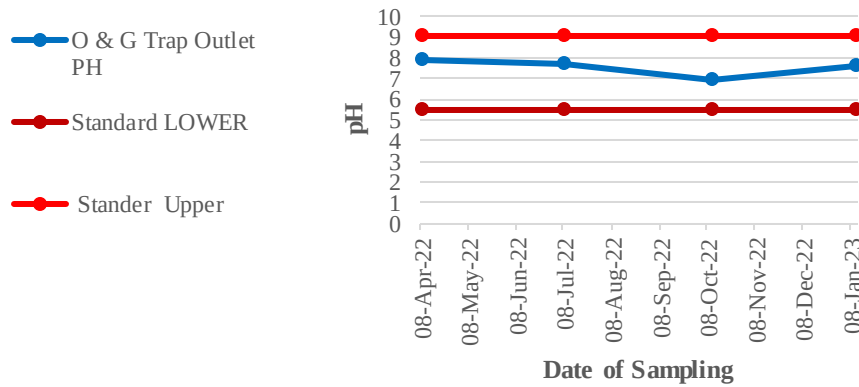


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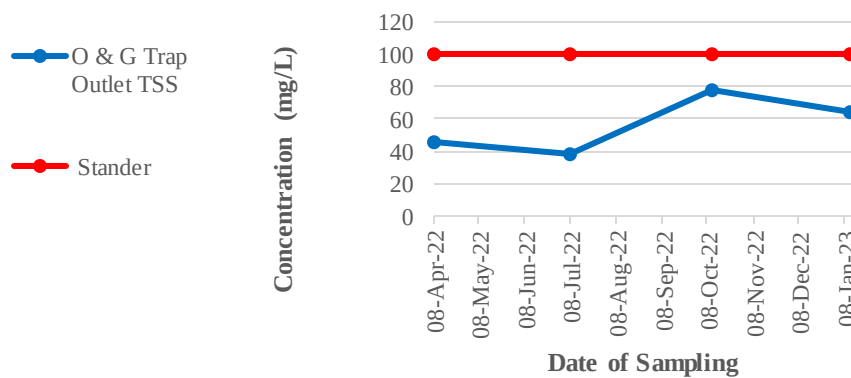
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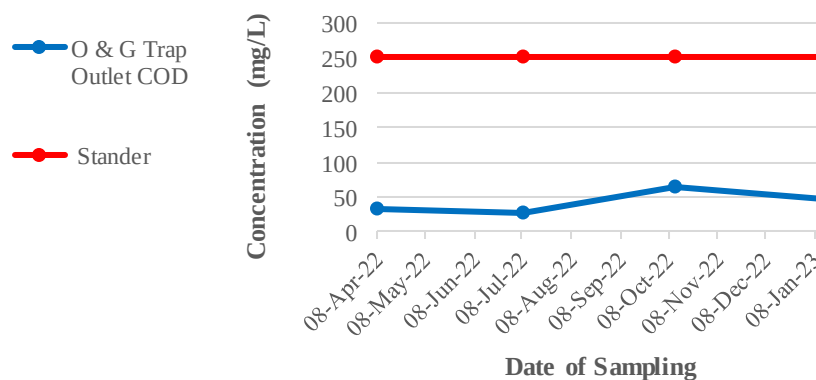
Graph Showing for pH of O & G Trap Outlet



Graph Showing for TSS of O & G Trap Outlet



Graph Showing for COD of O & G Trap Outlet



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Table:334

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring station:** Clear Water Tank of Sewage Treatment Plant

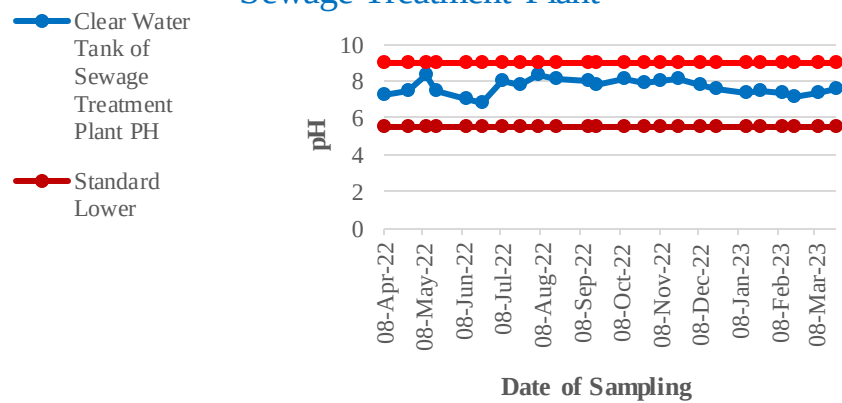
Date of Sampling	pH	TSS	BOD
08-Apr-22	7.23	50	<2
26-Apr-22	7.48	46	<2
10-May-22	8.34	38	<2
19-May-22	7.44	22	<2
11-Jun-22	7.03	40	<2
23-Jun-22	6.83	60	<2
08-Jul-22	7.95	38	<2
22-Jul-22	7.8	34	<2
05-Aug-22	8.37	34	<2
19-Aug-22	8.15	30	<2
13-Sep-22	8.01	38	<2
20-Sep-22	7.83	34	<2
11-Oct-22	8.15	44	<2
26-Oct-22	7.93	32	<2
08-Nov-22	8.02	34	<2
22-Nov-22	8.12	30	<2
09-Dec-22	7.76	38	<2
22-Dec-22	7.54	30	<2
13-Jan-23	7.33	26	<2
24-Jan-23	7.49	40	<2
10-Feb-23	7.31	32	<2
20-Feb-23	7.15	40	<2
10-Mar-23	7.36	26	<2
24-Mar-23	7.54	48	<2

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

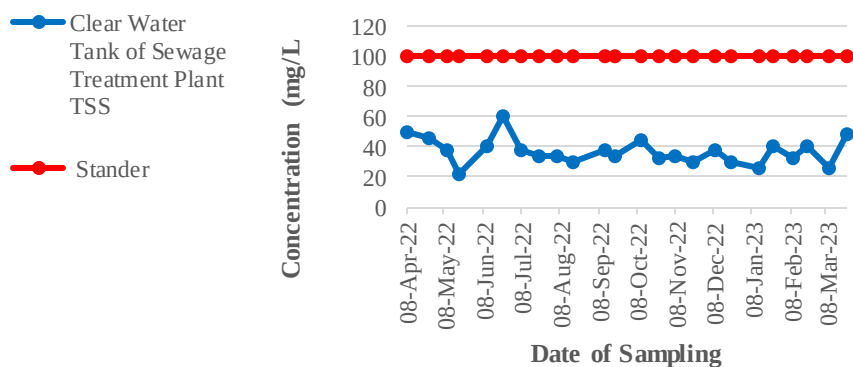
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Graph Showing for pH of Clear Water Tank of
Sewage Treatment Plant



Graph Showing for TSS of Clear Water Tank
of Sewage Treatment Plant



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Table:335

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring station:** Clear Water Tank of MDTP

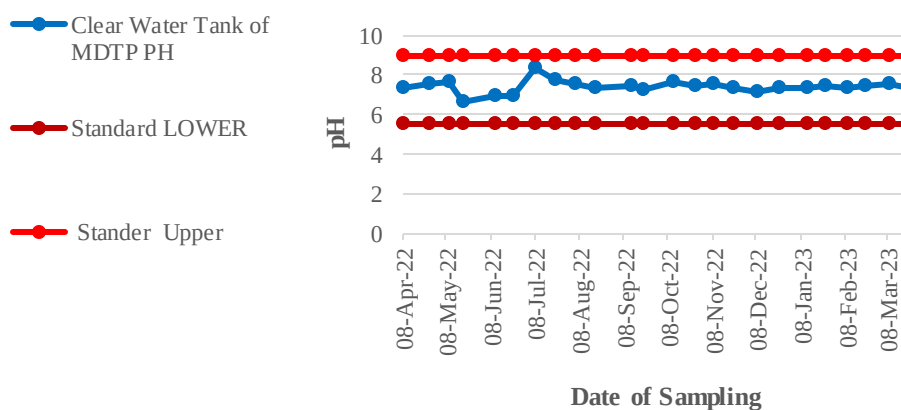
Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.35	<4.0	32	24
26-Apr-22	7.55	<4.0	30	32
10-May-22	7.62	<4.0	30	36
19-May-22	6.59	<4.0	46	32
11-Jun-22	6.89	<4.0	50	44
23-Jun-22	6.96	<4.0	64	40
08-Jul-22	8.37	<4.0	32	36
22-Jul-22	7.72	<4.0	30	32
05-Aug-22	7.59	<4.0	48	44
19-Aug-22	7.31	<4.0	42	36
13-Sep-22	7.44	<4.0	36	24
20-Sep-22	7.25	<4.0	42	32
11-Oct-22	7.62	<4.0	48	32
27-Oct-22	7.41	<4.0	36	24
08-Nov-22	7.59	<4.0	30	32
22-Nov-22	7.29	<4.0	26	24
09-Dec-22	7.17	<4.0	32	24
23-Dec-22	7.33	<4.0	26	28
12-Jan-23	7.29	<4.0	34	32
24-Jan-23	7.41	<4.0	42	28
09-Feb-23	7.29	<4.0	38	24
21-Feb-23	7.45	<4.0	48	32
10-Mar-23	7.54	<4.0	40	32
24-Mar-23	7.36	<4.0	32	40

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

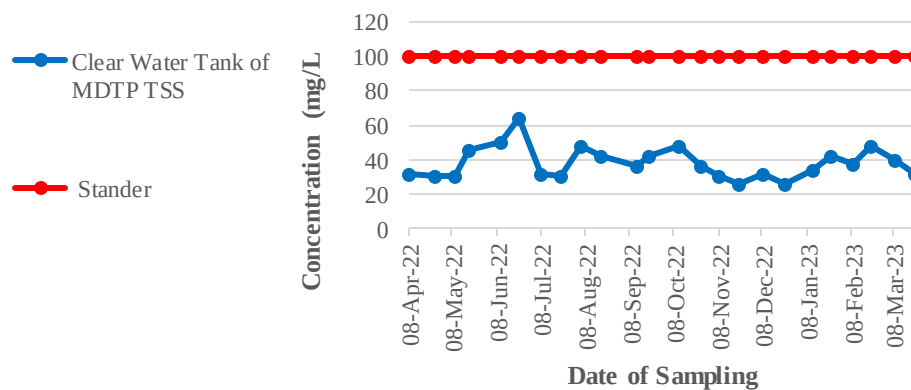
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

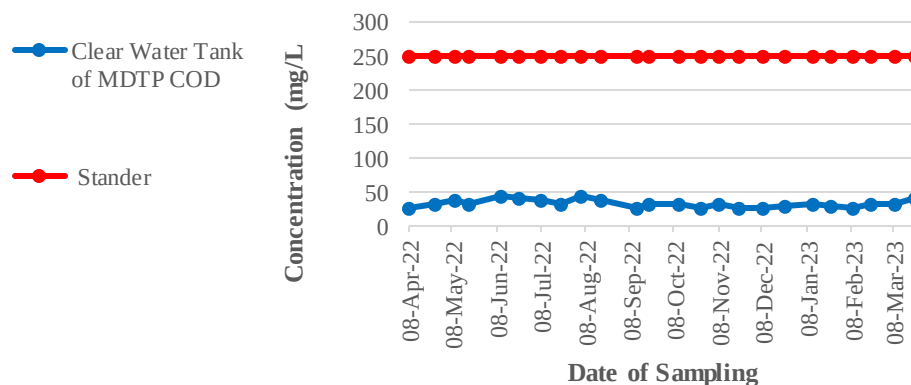
Graph Showing for pH of Clear Water Tank of MDTP



Graph Showing for TSS of Clear Water Tank of MDTP



Graph Showing for COD of Clear Water Tank of MDTP



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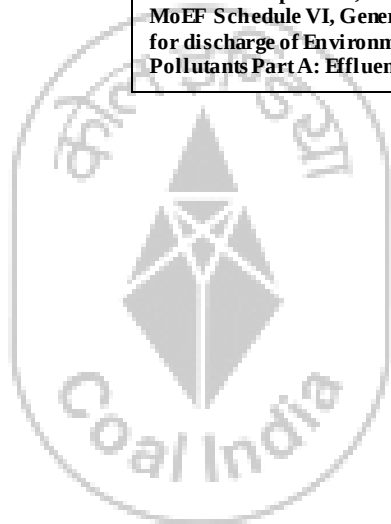
JOB NO.750001

Table:336

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring station:** Mine Sump Water

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.39	<4.0	44	36
08-Jul-22	8.44	<4.0	62	40
11-Oct-22	7.14	<4.0	42	36
12-Jan-23	7.57	<4.0	26	20

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



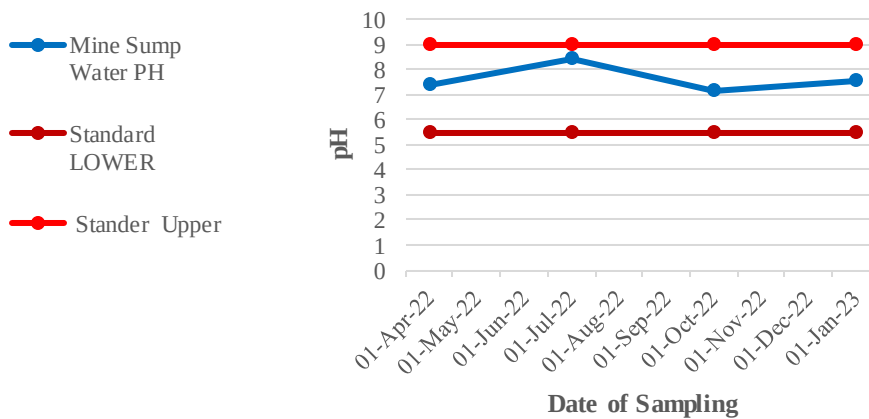
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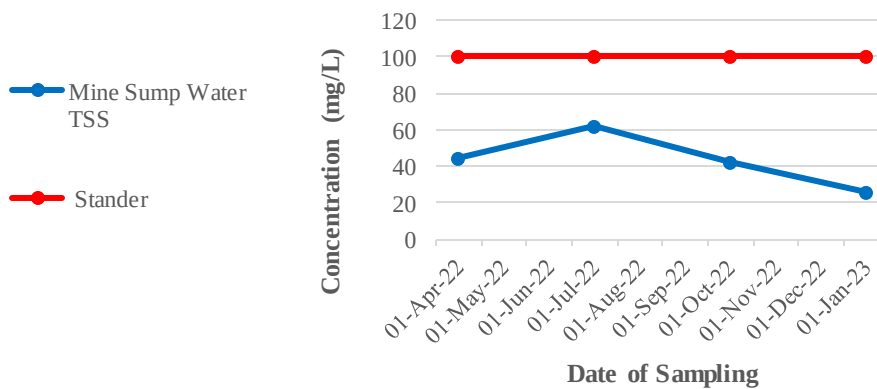
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JOB NO.750001

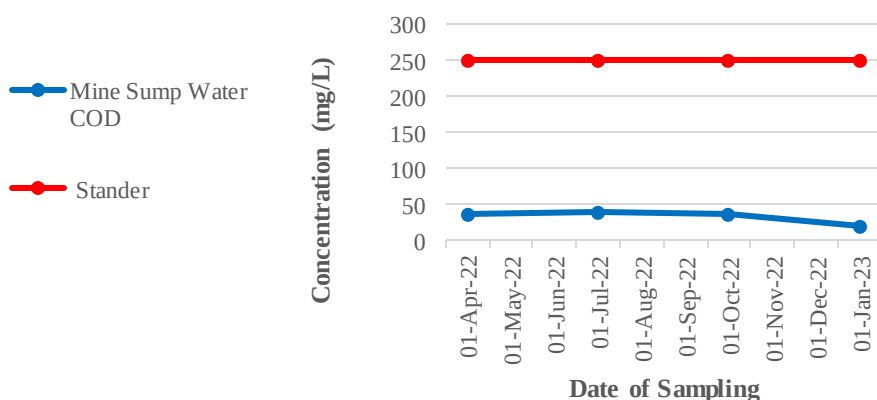
Graph Showing for pH of Mine Sump Water



Graph Showing for TSS of Mine Sump Water



Graph Showing for COD of Mine Sump Water



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Table:337**Area:** Lakhanpur**Project:** Belpahar OCP**Monitoring:** Inlet of Sewage Treatment Plant

Date of Sampling	pH	Oil & Grease	TSS	BOD
10-May-22	8.4		34	<2
05-Aug-22	8.2		46	<2
08-Nov-22	7.8		44	<2
10-Feb-23	7.2		36	<2

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



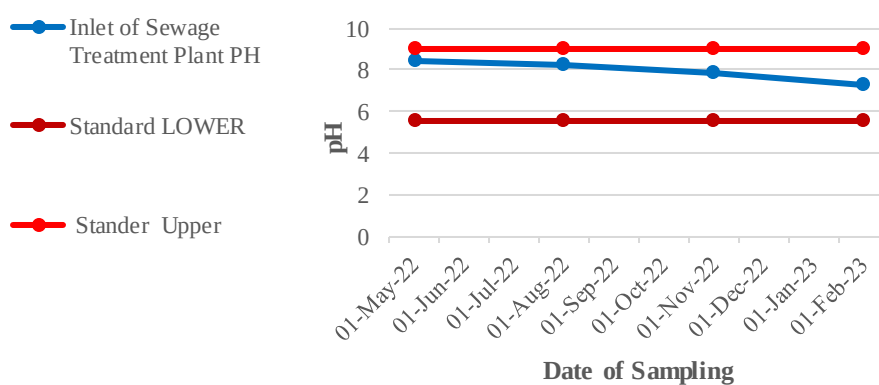
cmpdi

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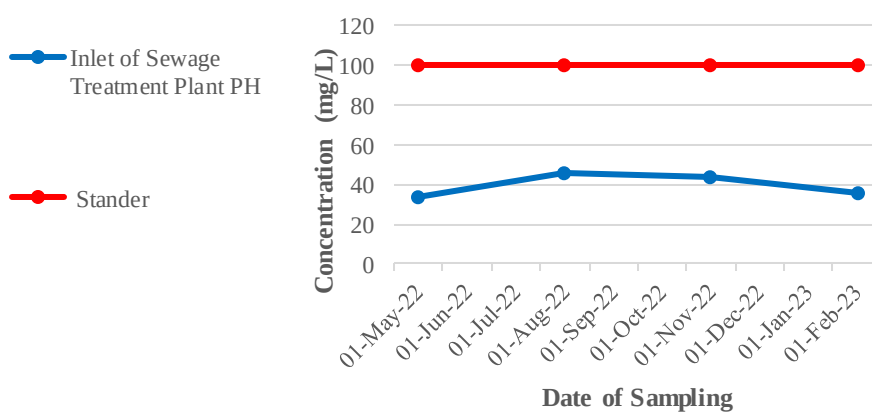
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Graph Showing for pH of Inlet of Sewage Treatment Plant



Graph Showing for TSS of Inlet of Sewage Treatment Plant



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Table:338**Area:** Lakhanpur**Project:** Belpahar OCP**Monitoring station:** Inlet of ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
26-Apr-22	7.37	<4.0	64	40
11-Jun-22	6.87	<4.0	48	40
11-Sep-22	6.81	<4.0	44	38
10-Mar-23	7.11	<4.0	48	36

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



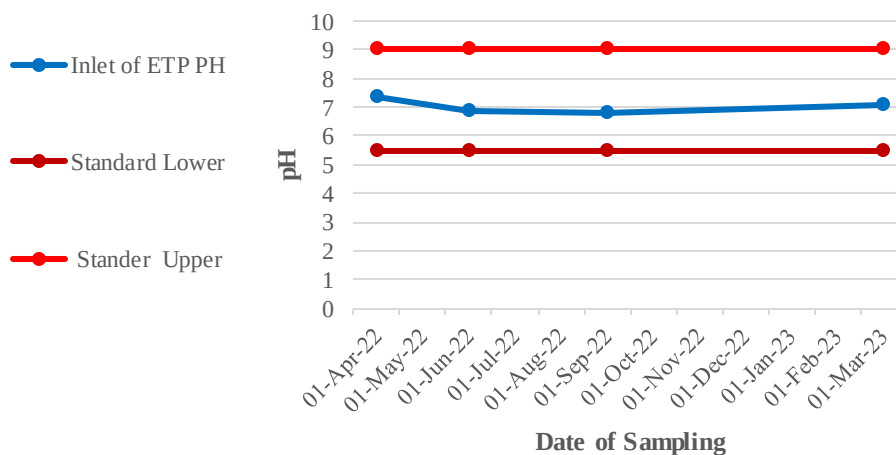
cmpdi

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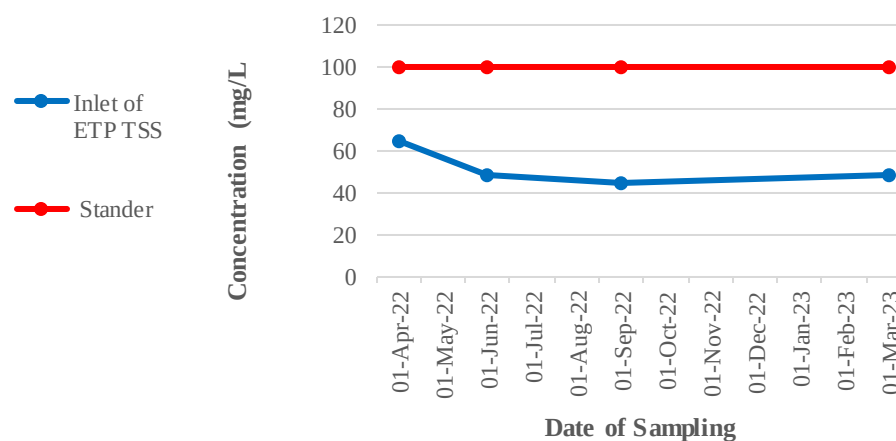
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

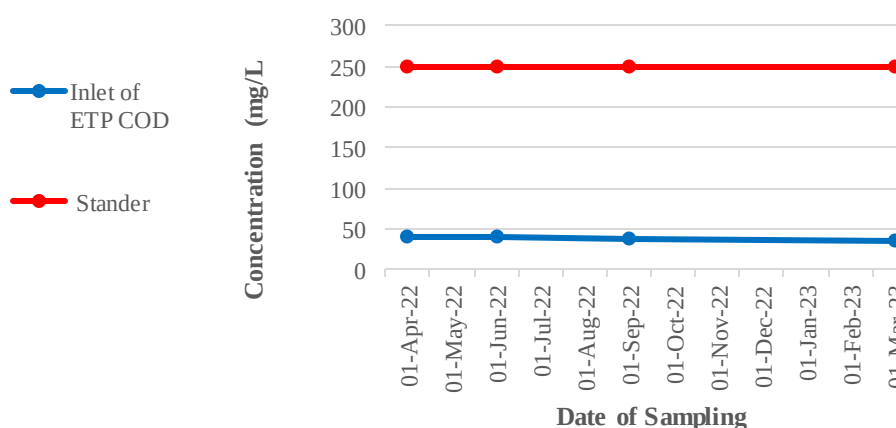
Graph Showing for pH of Inlet of ETP



Graph Showing for TSS of Inlet of ETP



Graph Showing for COD of Inlet of ETP



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Table:339**Area:** Lakhanpur**Project:** Belpahar OCP**Monitoring station:** Inlet of MDTP

Date of Sampling	pH	Oil & Grease	TSS	COD
08-Apr-22	7.22	<4.0	56	32
08-Jul-22	8.4	<4.0	34	32
11-Oct-22	7.26	<4.0	36	40
12-Jan-23	7.42	<4.0	22	24

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



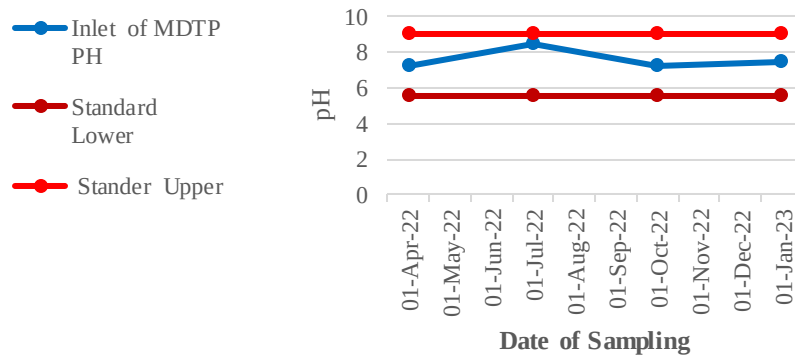
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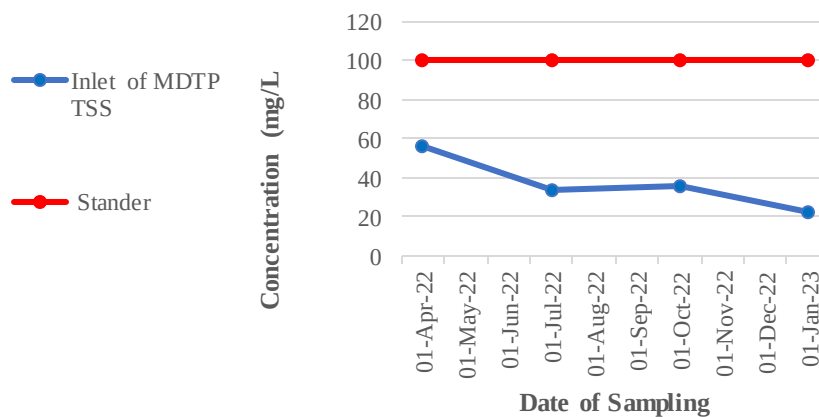
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JOB NO.750001

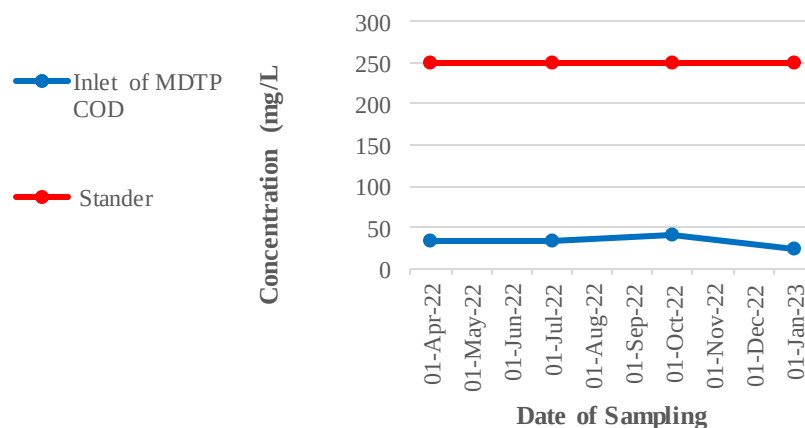
Graph Showing for pH of Inlet of MDTP



Graph Showing for TSS of Inlet of MDTP



Graph Showing for COD of Inlet of MDTP



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Table:340**Area:** Lakhanpur**Project:** Belpahar OCP**Monitoring station:** Outlet of ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
26-Apr-22	7.49	<4.0	40	28
11-Jun-22	7.15	<4.0	36	32
11-Sep-22	7.03	<4.0	30	22
10-Mar-23	7.28	<4.0	28	24

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



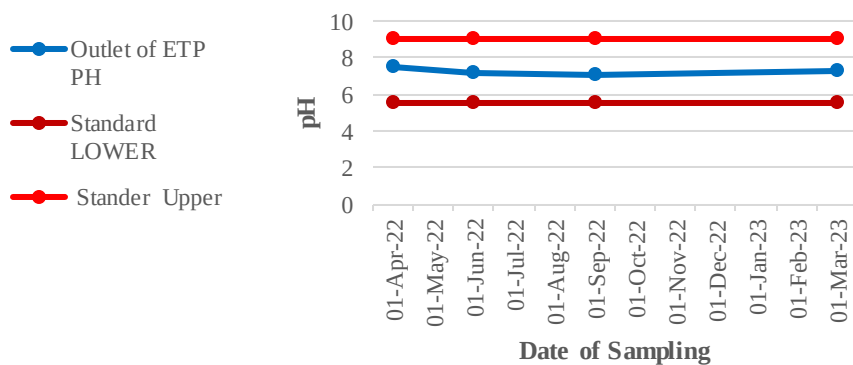
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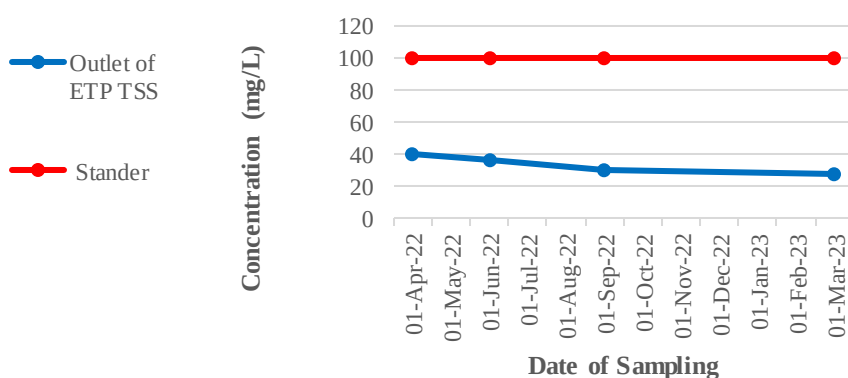
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

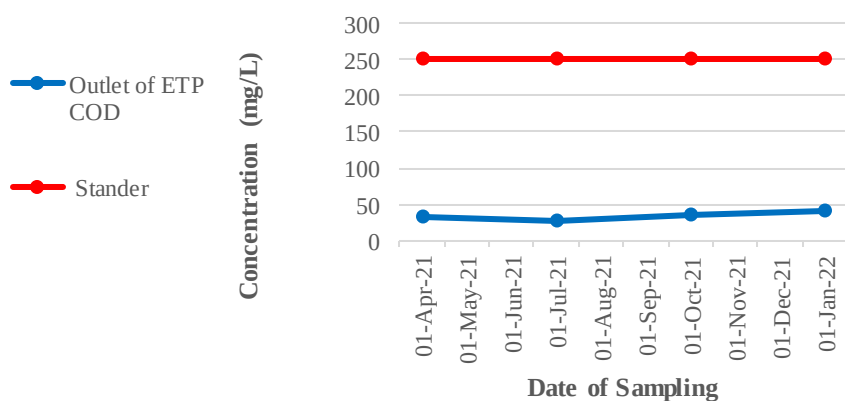
Graph Showing for pH of Otlet of ETP



Graph Showing for TSS of Otlet of ETP



Graph Showing for COD of Otlet of ETP



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Table:341**Area:** Lakhanpur**Project:** Belpahar OCP**Monitoring station:** ECO Tank

Date of Sampling	pH	Oil & Grease	TSS	COD
26-Apr-22	7.33	<4.0	54	32
11-Jun-22	6.73	<4.0	46	28
10-Mar-23	7.35	<4.0	54	40

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



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Table:342

Area: Basundhara**Project:** Kulda OCP**Monitoring station:** Mine Sump Water Near Kulda Nursery

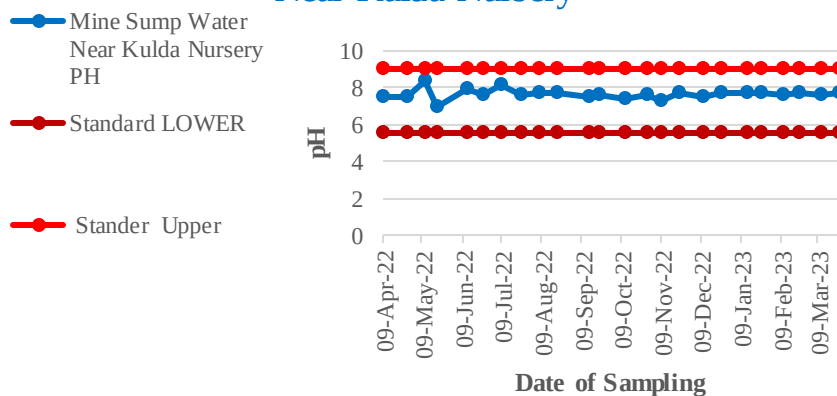
Date of Sampling	pH	Oil & Grease	TSS	COD	TDS	DO
09-Apr-22	7.48	<4.0	46	28	370	6
27-Apr-22	7.44	<4.0	58	36	378	5.8
11-May-22	8.3	<4.0	28	16	378	5.8
20-May-22	6.96	<4.0	50	36	386	5.7
12-Jun-22	7.93	<4.0	30	36	382	6.7
24-Jun-22	7.61	<4.0	28	20	370	5.3
09-Jul-22	8.1	<4.0	36	28	384	6.6
23-Jul-22	7.59	<4.0	32	24	374	5.7
06-Aug-22	7.69	<4.0	28	20	364	6
20-Aug-22	7.66	<4.0	34	20	374	6.3
14-Sep-22	7.52	<4.0	34	28	378	6.6
21-Sep-22	7.58	<4.0	30	20	374	6
12-Oct-22	7.33	<4.0	34	28	370	6.3
28-Oct-22	7.59	<4.0	28	24	382	6.1
09-Nov-22	7.27	<4.0	24	16	376	5.4
23-Nov-22	7.74	<4.0	30	32	380	5.5
10-Dec-22	7.52	<4.0	26	20	372	6.4
24-Dec-22	7.69	<4.0	32	28	382	6.7
13-Jan-23	7.71	<4.0	34	32	274	6.4
25-Jan-23	7.69	<4.0	26	20	266	6
10-Feb-23	7.59	<4.0	24	12	274	5.2
22-Feb-23	7.68	<4.0	32	24	288	6.5
11-Mar-23	7.63	<4.0	30	24	292	6.2
25-Mar-23	7.73	<4.0	28	20	282	6

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

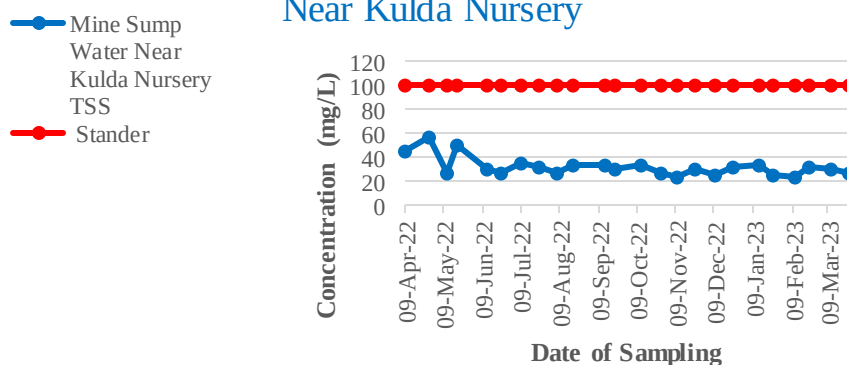
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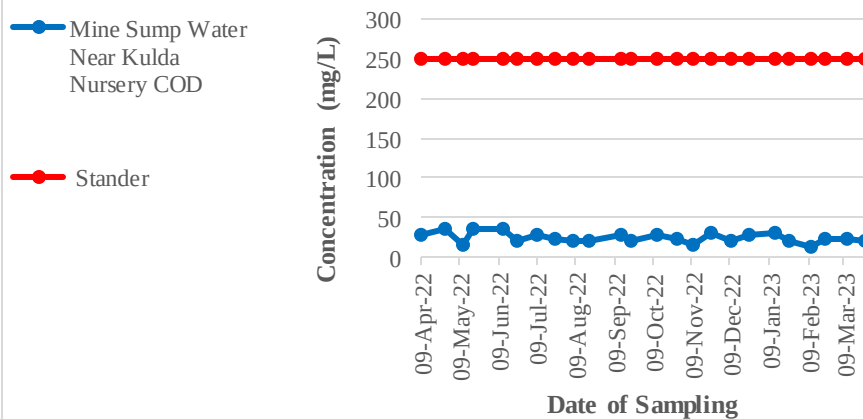
Graph Showing for pH of Mine Sump Water
Near Kulda Nursery



Graph Showing for TSS of Mine Sump Water
Near Kulda Nursery



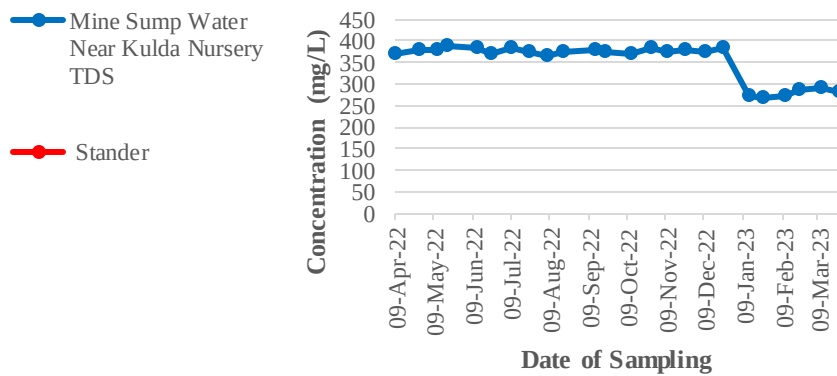
Graph Showing for COD of Mine Sump
Water Near Kulda Nursery



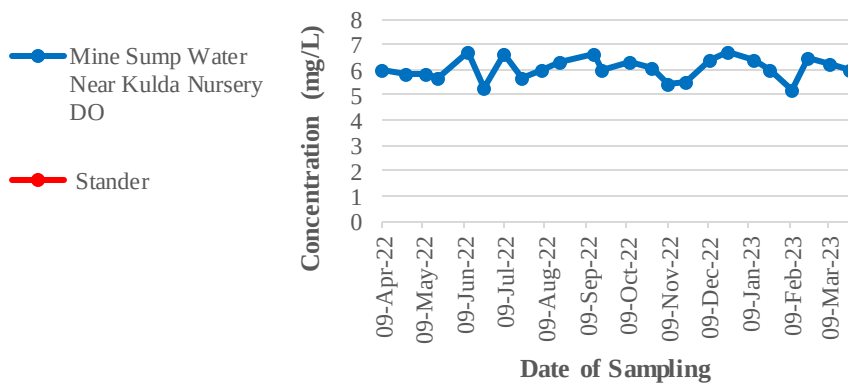
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Graph Showing for TDS of Mine Sump Water
Near Kulda Nursery



Graph Showing for DO of Mine Sump Water
Near Kulda Nursery



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Table:343

Area: Basundhara**Project:** Kulda OCP**Monitoring station:** Final Outlet Of ETP

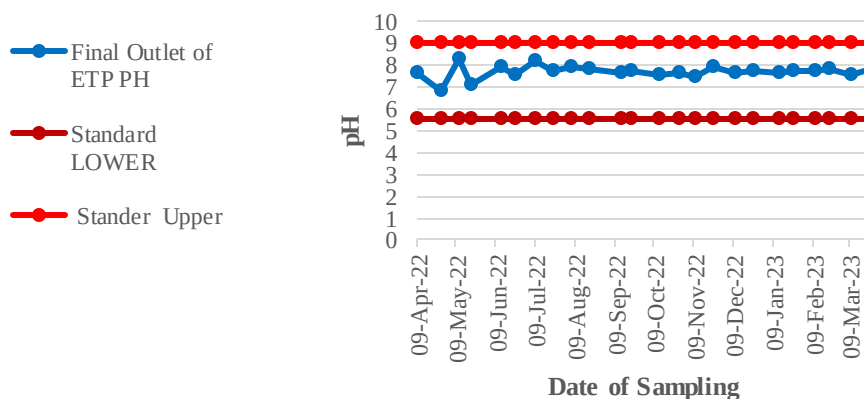
Date of Sampling	pH	Oil & Grease	TSS	COD	TDS	DO
09-Apr-22	7.6	<4.0	36	32	378	6.6
27-Apr-22	6.84	<4.0	46	28	386	6.3
11-May-22	8.25	<4.0	36	28	384	6
20-May-22	7.07	<4.0	44	32	396	6.2
12-Jun-22	7.89	<4.0	26	28	316	6.8
24-Jun-22	7.54	<4.0	46	32	308	6.6
09-Jul-22	8.15	<4.0	32	20	378	6.3
23-Jul-22	7.74	<4.0	62	44	364	6.6
06-Aug-22	7.87	<4.0	54	36	374	6.8
20-Aug-22	7.81	<4.0	36	28	382	6.5
14-Sep-22	7.61	<4.0	42	36	382	6.8
21-Sep-22	7.69	<4.0	40	28	370	6.7
12-Oct-22	7.5	<4.0	38	32	378	6.8
28-Oct-22	7.66	<4.0	32	16	388	6.8
09-Nov-22	7.41	<4.0	30	28	372	6.3
23-Nov-22	7.87	<4.0	38	32	386	6.6
10-Dec-22	7.59	<4.0	38	36	382	7
24-Dec-22	7.77	<4.0	34	24	394	6.3
13-Jan-23	7.59	<4.0	40	28	248	7
25-Jan-23	7.77	<4.0	32	24	256	6.6
10-Feb-23	7.71	<4.0	34	24	294	6.3
22-Feb-23	7.86	<4.0	42	36	296	6.7
11-Mar-23	7.58	<4.0	42	28	284	6.9
25-Mar-23	7.86	<4.0	34	28	278	6.5

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

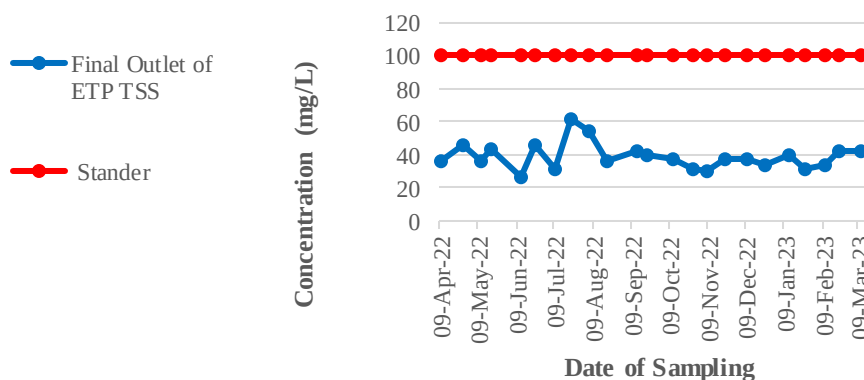
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

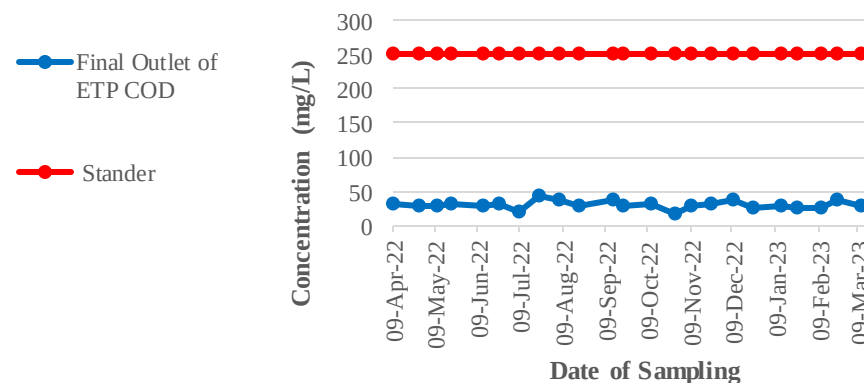
Graph Showing for pH of Final Outlet of ETP



Graph Showing for TSS of Final Outlet of ETP



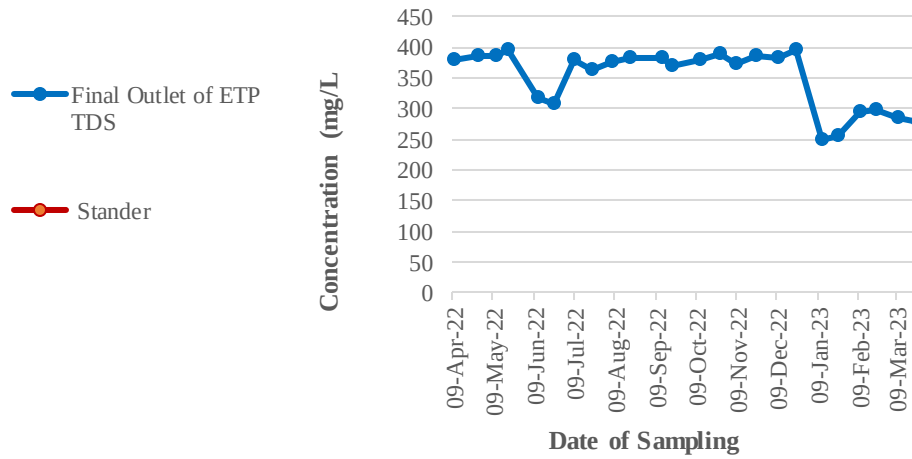
Graph Showing for COD of Final Outlet of ETP



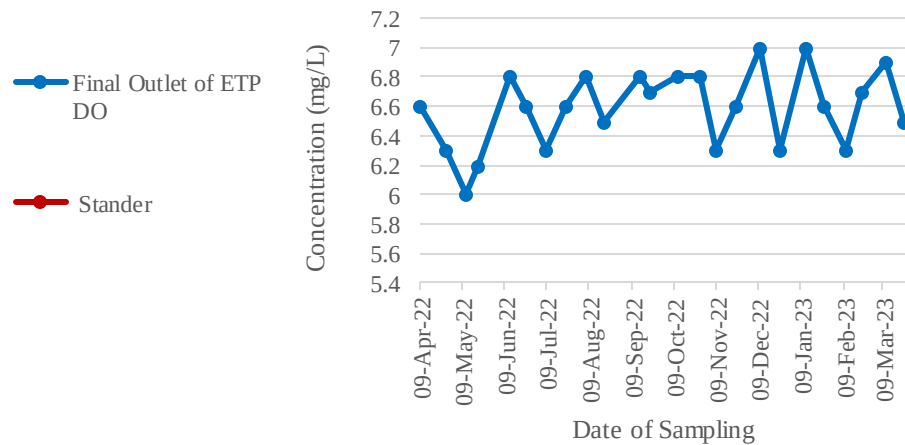
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

Graph Showing for TDS of Final Outlet of ETP



Graph Showing for DO of Final Outlet of ETP



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JOB NO.750001

Table:344

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring station:** Inlet of Settling Tank (Kanika

Date of Sampling	pH	Oil & Grease	TSS	COD
09-Apr-22	6.92	<4.0	94	48
27-Apr-22	6.89	<4.0	86	52
11-May-22	8.2	<4.0	78	60
20-May-22	6.85	<4.0	76	52
12-Jun-22	7.27	<4.0	52	32
24-Jun-22	7.39	<4.0	46	40
09-Jul-22	7.35	<4.0	66	44
23-Jul-22	7.48	<4.0	56	36
06-Aug-22	7.63	<4.0	64	48
20-Aug-22	7.74	<4.0	58	44
14-Sep-22	7.44	<4.0	52	32
21-Sep-22	7.59	<4.0	58	40
12-Oct-22	7.19	<4.0	68	48
28-Oct-22	7.27	<4.0	46	40
09-Nov-22	7.45	<4.0	54	28
23-Nov-22	7.32	<4.0	50	48
10-Dec-22	7.44	<4.0	56	24
24-Dec-22	7.32	<4.0	64	40
13-Jan-23	7.18	4.4	72	44
25-Jan-23	7.45	<4.0	66	36
10-Feb-23	7.63	<4.0	74	48
22-Feb-23	7.51	<4.0	66	44
11-Mar-23	7.66	<4.0	74	52
25-Mar-23	7.45	<4.0	62	48

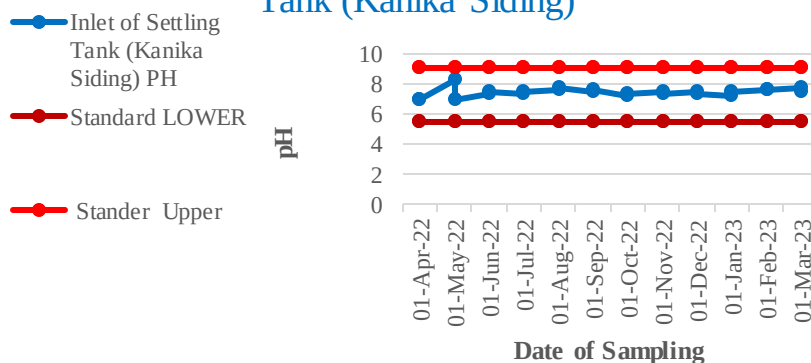
Siding)

MoEF&C.C Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

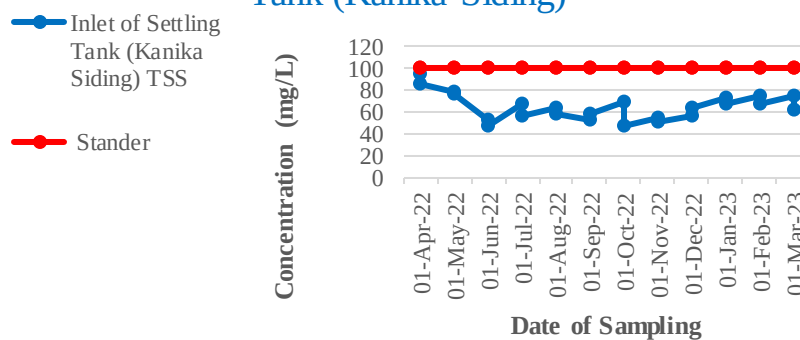
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

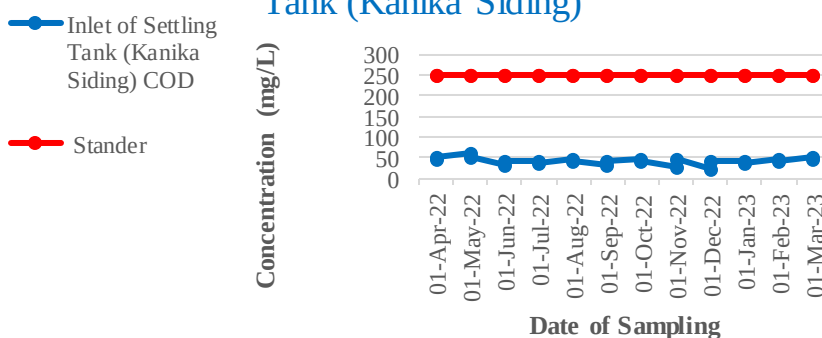
Graph Showing for pH of Inlet of Settling Tank (Kanika Siding)



Graph Showing for TSS of Inlet of Settling Tank (Kanika Siding)



Graph Showing for COD of Inlet of Settling Tank (Kanika Siding)



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JOB NO.750001

Table:345

Area: Basundhara

Project: Garjanbahal OCP

Monitoring station: Outlet of Settling Tank (Kanika Siding)

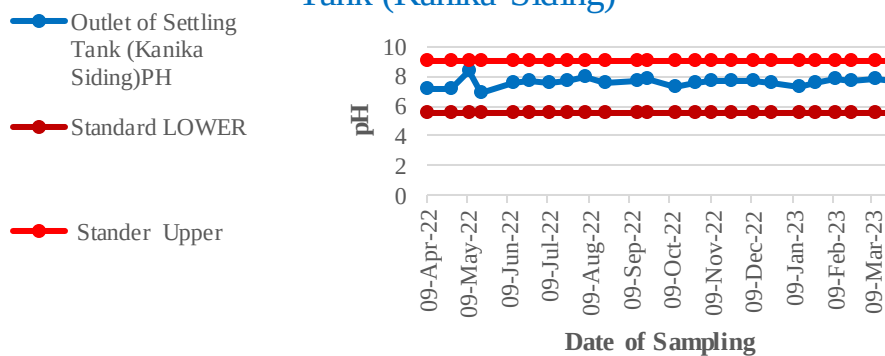
Date of Sampling	pH	Oil & Grease	TSS	COD
09-Apr-22	7.2	<4.0	34	32
27-Apr-22	7.1	<4.0	48	40
11-May-22	8.35	<4.0	32	24
20-May-22	6.93	<4.0	54	40
12-Jun-22	7.51	<4.0	40	24
24-Jun-22	7.64	<4.0	38	32
09-Jul-22	7.48	<4.0	58	32
23-Jul-22	7.63	<4.0	40	24
06-Aug-22	7.88	<4.0	42	36
20-Aug-22	7.59	<4.0	36	32
14-Sep-22	7.63	<4.0	40	24
21-Sep-22	7.78	<4.0	44	32
12-Oct-22	7.33	<4.0	44	36
28-Oct-22	7.49	<4.0	34	28
09-Nov-22	7.73	<4.0	38	20
23-Nov-22	7.63	<4.0	36	32
10-Dec-22	7.7	<4.0	40	12
24-Dec-22	7.48	<4.0	48	36
13-Jan-23	7.29	<4.0	48	36
25-Jan-23	7.59	<4.0	44	24
10-Feb-23	7.79	<4.0	52	32
22-Feb-23	7.73	<4.0	48	32
11-Mar-23	7.85	<4.0	54	44
25-Mar-23	7.62	<4.0	44	36

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

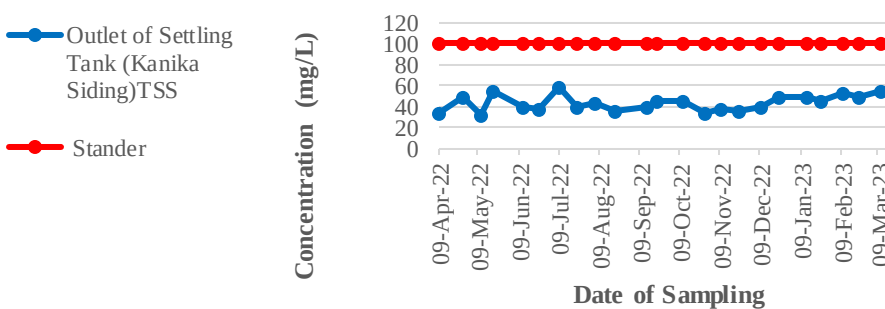
PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

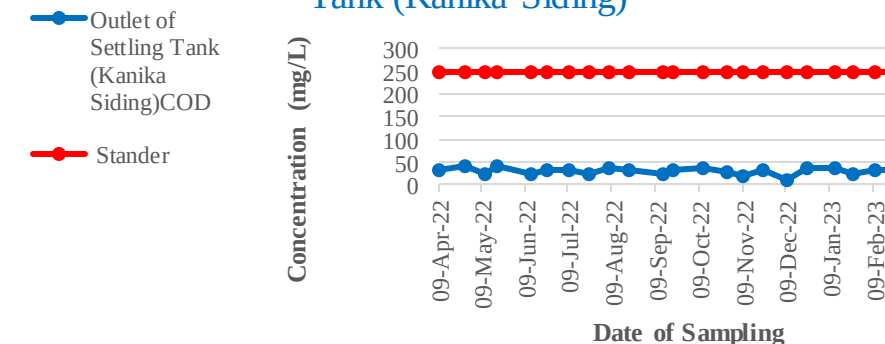
Graph Showing for pH of Outlet of Settling Tank (Kanika Siding)



Graph Showing for TSS of Outlet of Settling Tank (Kanika Siding)



Graph Showing for COD of Outlet of Settling Tank (Kanika Siding)



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JOB NO.750001

Table:346

Area: Basundhara

Project: Garjanbahal OCP

Monitoring Station: Mine Sump

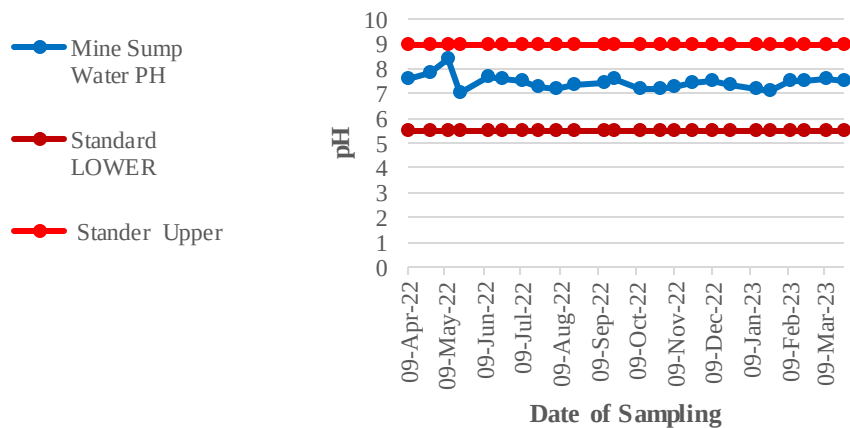
Date of Sampling	pH	Oil & Grease	TSS	COD
09-Apr-22	7.63	<4.0	40	24
27-Apr-22	7.84	<4.0	34	20
11-May-22	8.42	<4.0	38	36
20-May-22	7.04	<4.0	50	40
12-Jun-22	7.64	<4.0	30	36
24-Jun-22	7.59	<4.0	26	24
09-Jul-22	7.51	<4.0	34	28
23-Jul-22	7.28	<4.0	30	20
06-Aug-22	7.17	<4.0	36	40
20-Aug-22	7.33	<4.0	44	36
14-Sep-22	7.4	<4.0	32	20
21-Sep-22	7.63	<4.0	30	16
12-Oct-22	7.21	<4.0	28	32
28-Oct-22	7.18	<4.0	22	12
09-Nov-22	7.27	<4.0	26	28
23-Nov-22	7.39	<4.0	34	20
10-Dec-22	7.53	<4.0	32	36
24-Dec-22	7.37	<4.0	28	20
13-Jan-23	7.22	<4.0	30	24
25-Jan-23	7.13	<4.0	28	32
10-Feb-23	7.54	<4.0	34	36
22-Feb-23	7.49	<4.0	38	24
11-Mar-23	7.56	<4.0	38	32
25-Mar-23	7.49	<4.0	34	28

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

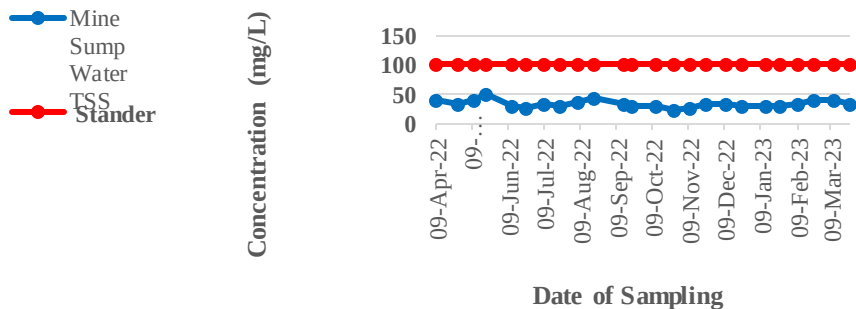
**PREPARED BY: CENTRAL MINE PLANNING &
DESIGN INSTITUTE LTD., RI VII, BHUBANESWAR**

JOB NO.750001

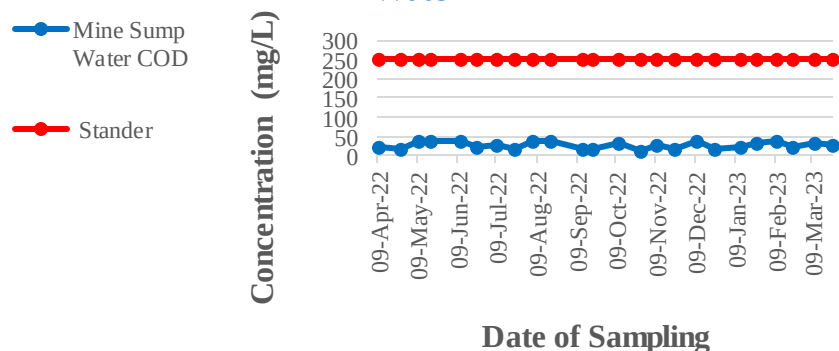
Graph Showing for pH of Mine Sump Water



Graph Showing for TSS of Mine Sump Water



Graph Showing for COD of Mine Sump Water



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JOB NO.750001

Table:347

Area: Mahalaxmi**Project:** Basundhara (W) OCP**Monitoring station:** M1-Basundhara (E) OCP's Sump

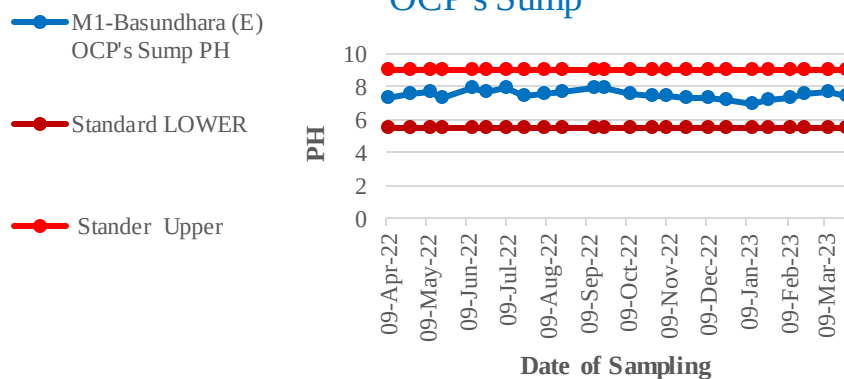
Date of Sampling	pH	Oil & Grease	TSS	COD
09-Apr-22	7.34	<4.0	26	18
27-Apr-22	7.51	<4.0	38	28
11-May-22	7.68	<4.0	44	32
20-May-22	7.24	<4.0	36	24
12-Jun-22	7.95	<4.0	30	20
24-Jun-22	7.67	<4.0	24	16
09-Jul-22	7.9	<4.0	46	28
23-Jul-22	7.42	<4.0	40	36
06-Aug-22	7.57	<4.0	38	28
20-Aug-22	7.71	<4.0	44	32
14-Sep-22	7.88	<4.0	50	32
21-Sep-22	7.96	<4.0	58	40
12-Oct-22	7.51	<4.0	58	40
28-Oct-22	7.39	<4.0	44	32
08-Nov-22	7.47	<4.0	40	44
23-Nov-22	7.32	<4.0	34	32
10-Dec-22	7.29	<4.0	28	36
24-Dec-22	7.17	<4.0	24	20
13-Jan-23	6.94	<4.0	20	16
25-Jan-23	7.15	<4.0	30	24
10-Feb-23	7.27	<4.0	38	40
22-Feb-23	7.59	<4.0	46	28
11-Mar-23	7.64	<4.0	38	40
25-Mar-23	7.37	<4.0	32	24

MoEF&C.C. Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

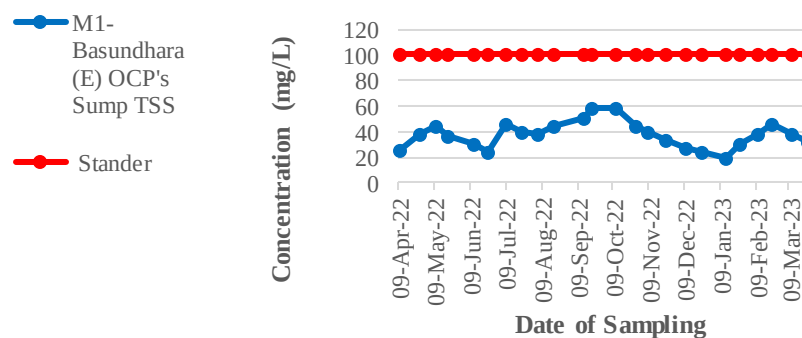
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JOB NO.750001

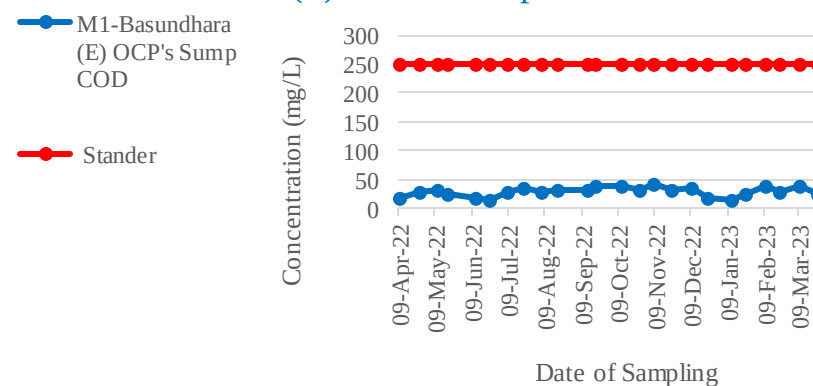
Graph Showing for pH of M1-Basundhara (E)
OCP's Sump



Graph Showing for TSS of M1-Basundhara
(E) OCP's Sump



Graph Showing for COD of M1-Basundhara
(E) OCP's Sump



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JOB NO.750001

Table:348

Area: Mahalaxmi**Project:** Basundhara (W) OCP**Monitoring station:** Inlet of Settling Pond at
Excavation Workshop, B(W)OCP

Date of Sampling	pH	Oil & Grease	TSS	COD
12-Jun-22	7.57	<4.0	32	24
14-Sep-22	6.91	<4.0	46	36
10-Dec-22	7.23	<4.0	48	32
11-Mar-23	7.39	<4.0	44	36

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30



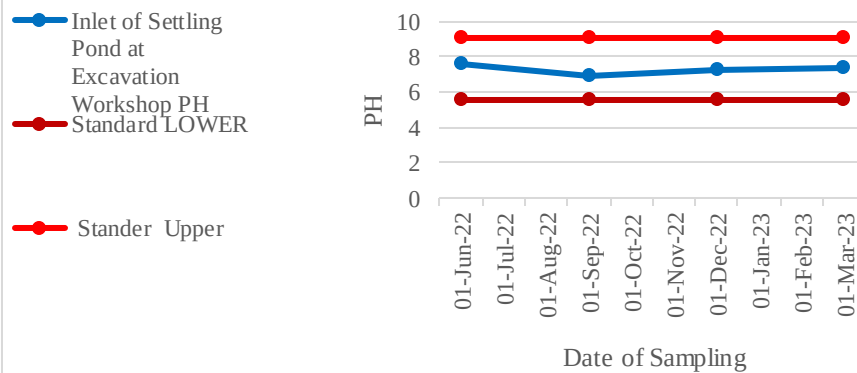
cmpdi

A Mini Ratna Company

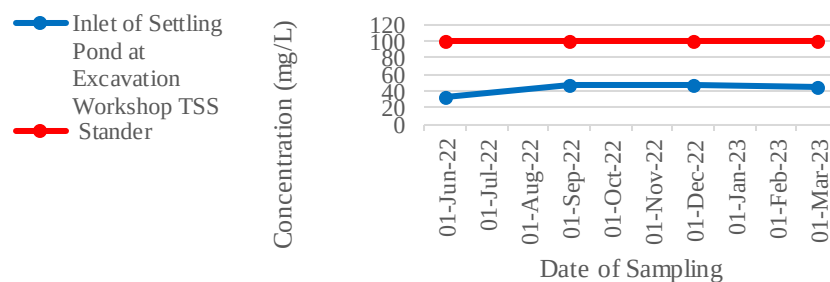
**PREPARED BY: CENTRAL MINE PLANNING &
DESIGN INSTITUTE LTD., RI VII, BHUBANESWAR**

JOB NO.750001

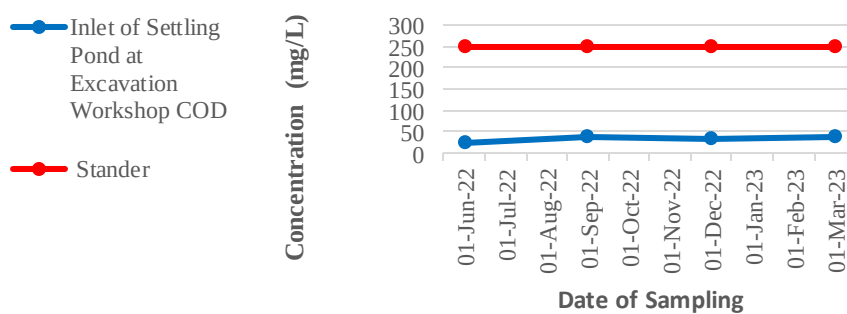
Graph Showing pH for Inlet of Settling Pond at Excavation Workshop



Graph Showing TSS for Inlet of Settling Pond at Excavation Workshop



Graph Showing COD for Inlet of Settling Pond at Excavation Workshop



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JOB NO.750001

Table:349

Area: Mahalaxmi**Project:** Basundhara (W) OCP**Monitoring station:** Outlet of Settling Pond at
Excavation Workshop, B(W) OCP

Date of Sampling	pH	Oil & Grease	TSS	COD
12-Jun-22	8.01	<4.0	24	16
14-Sep-22	7.23	<4.0	26	28
10-Dec-22	7.46	<4.0	34	20
11-Mar-23	7.72	<4.0	28	20

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

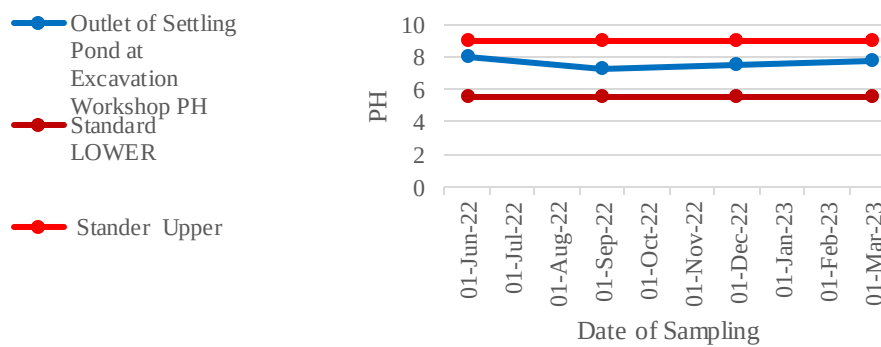


cmpdi
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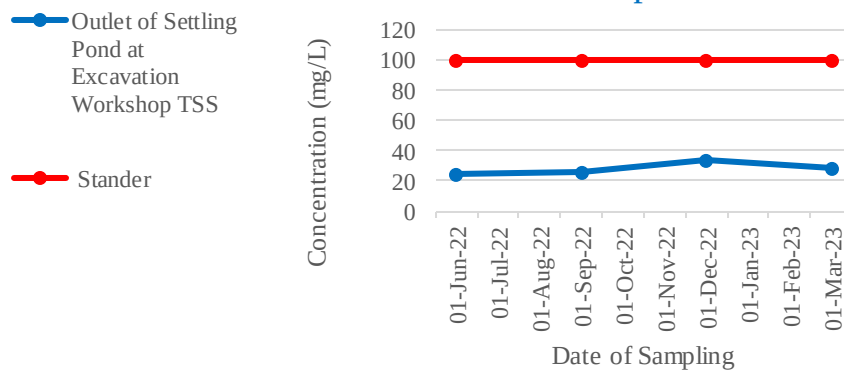
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JOB NO.750001

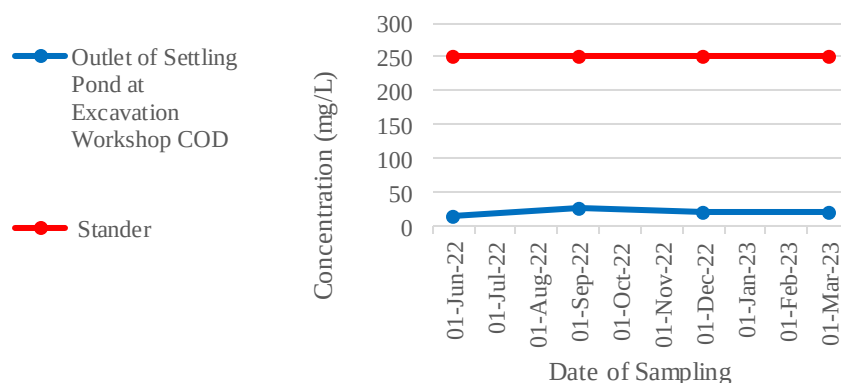
Graph Showing for pH of Outlet of Settling Pond at Excavation Workshop



Graph Showing for TSS of Outlet of Settling Pond at Excavation Workshop



Graph Showing for COD of Outlet of Settling Pond at Excavation Workshop



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Table:350

Area: Orient**Project:** Orient Mine No. 1 & 2**Monitoring station:** Mine Sump of Mine No. 2

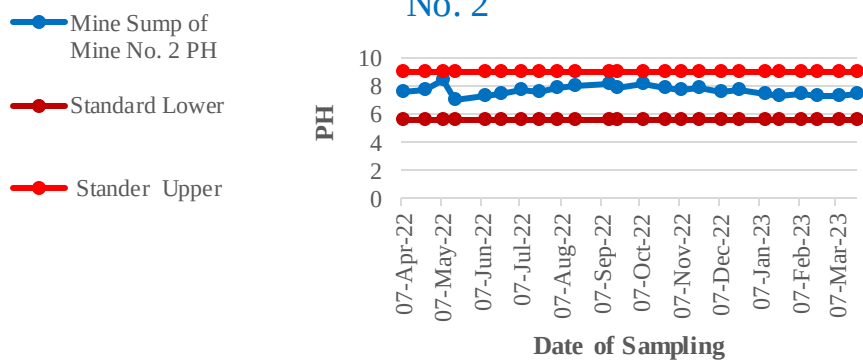
Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	7.54	<4.0	46	32
25-Apr-22	7.73	<4.0	40	36
09-May-22	8.45	<4.0	34	28
18-May-22	7.02	<4.0	48	32
10-Jun-22	7.31	<4.0	24	28
22-Jun-22	7.44	<4.0	30	36
07-Jul-22	7.69	<4.0	44	32
21-Jul-22	7.56	<4.0	36	32
04-Aug-22	7.79	<4.0	44	32
18-Aug-22	7.92	<4.0	48	40
13-Sep-22	8.04	<4.0	56	40
20-Sep-22	7.89	<4.0	50	36
10-Oct-22	8.17	<4.0	64	40
26-Oct-22	7.86	<4.0	46	44
07-Nov-22	7.69	<4.0	40	32
21-Nov-22	7.83	<4.0	32	36
08-Dec-22	7.59	<4.0	38	28
22-Dec-22	7.67	<4.0	44	36
11-Jan-23	7.43	<4.0	36	24
23-Jan-23	7.33	<4.0	30	36
08-Feb-23	7.47	<4.0	30	24
20-Feb-23	7.25	<4.0	38	20
09-Mar-23	7.28	<4.0	24	20
23-Mar-23	7.37	<4.0	38	16

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

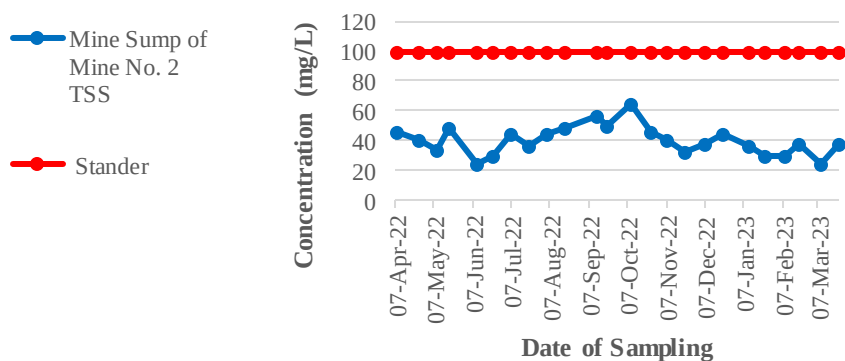
**PREPARED BY: CENTRAL MINE PLANNING &
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JOB NO.750001

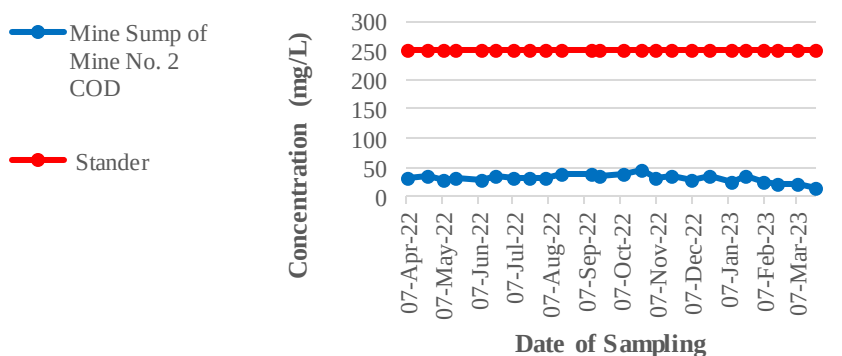
Graph Showing for pH of Mine Sump of Mine No. 2



Graph Showing for TSS of Mine Sump of Mine No. 2



Graph Showing for COD of Mine Sump of Mine No. 2



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JOB NO.750001

Table:351

Area: Orient**Project:** Orient Mine No. 3**Monitoring station:** Mine Sump of Mine No. 3

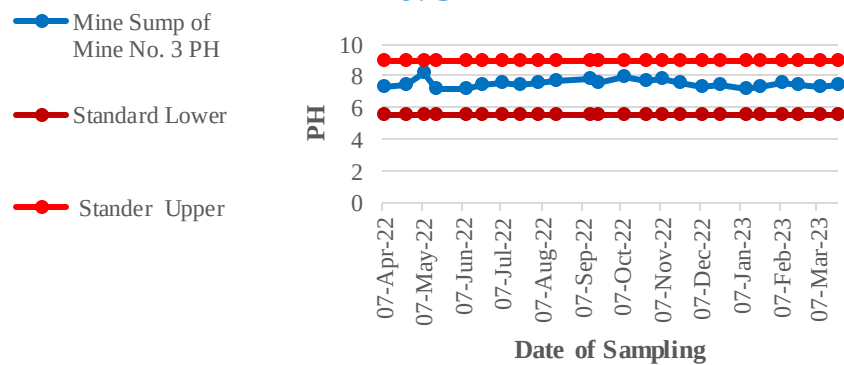
Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	7.32	<4.0	30	36
25-Apr-22	7.44	<4.0	34	28
09-May-22	8.22	<4.0	24	32
18-May-22	7.14	<4.0	28	20
10-Jun-22	7.24	<4.0	42	32
22-Jun-22	7.39	<4.0	38	40
07-Jul-22	7.53	<4.0	28	12
21-Jul-22	7.39	<4.0	34	24
04-Aug-22	7.57	<4.0	30	24
18-Aug-22	7.67	<4.0	34	28
13-Sep-22	7.79	<4.0	42	32
20-Sep-22	7.54	<4.0	54	40
10-Oct-22	7.93	<4.0	52	36
26-Oct-22	7.71	<4.0	40	32
07-Nov-22	7.84	<4.0	34	40
21-Nov-22	7.53	<4.0	26	32
08-Dec-22	7.35	<4.0	34	36
22-Dec-22	7.42	<4.0	40	28
11-Jan-23	7.2	<4.0	32	20
23-Jan-23	7.3	<4.0	38	24
08-Feb-23	7.55	<4.0	26	28
20-Feb-23	7.39	<4.0	30	32
09-Mar-23	7.36	<4.0	28	16
23-Mar-23	7.49	<4.0	30	12

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

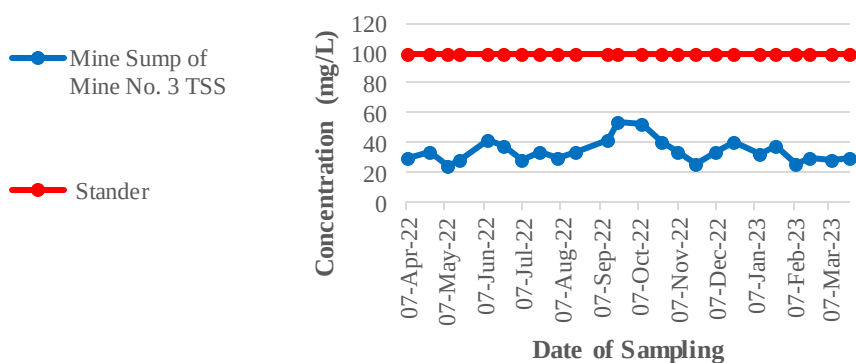
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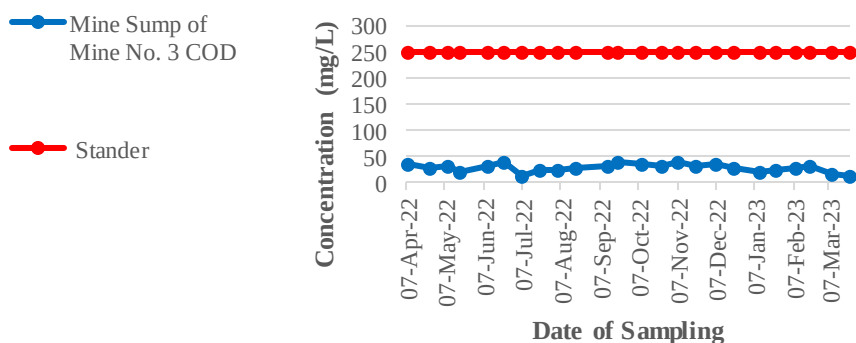
Graph Showing for pH of Mine Sump of Mine No. 3



Graph Showing for TSS of Mine Sump of Mine No. 3



Graph Showing for COD of Mine Sump of Mine No. 3



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Table:352

Area: Orient**Project:** Orient Mine No. 4**Monitoring station:** Mine Sump of Mine No. 4

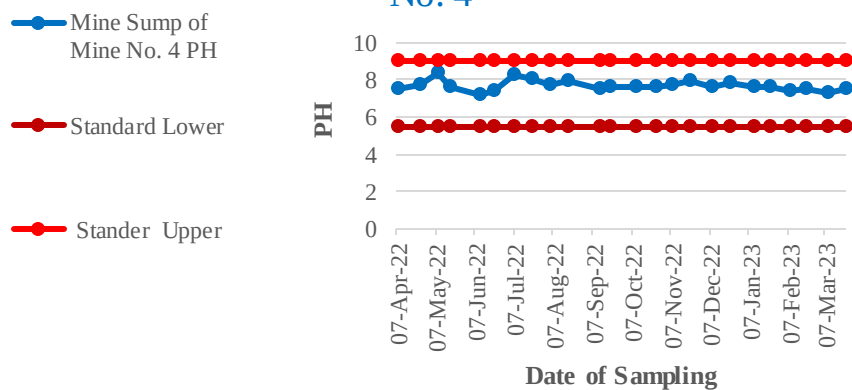
Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	7.46	<4.0	38	28
25-Apr-22	7.69	<4.0	46	32
09-May-22	8.33	<4.0	38	24
18-May-22	7.55	<4.0	26	16
10-Jun-22	7.22	<4.0	38	36
22-Jun-22	7.37	<4.0	40	44
07-Jul-22	8.2	<4.0	26	16
21-Jul-22	7.99	<4.0	30	28
04-Aug-22	7.72	<4.0	38	36
18-Aug-22	7.87	<4.0	46	40
13-Sep-22	7.49	<4.0	50	44
20-Sep-22	7.62	<4.0	56	32
10-Oct-22	7.61	<4.0	64	32
26-Oct-22	7.59	<4.0	46	48
07-Nov-22	7.71	<4.0	38	28
21-Nov-22	7.87	<4.0	34	36
08-Dec-22	7.62	<4.0	28	16
22-Dec-22	7.83	<4.0	24	28
11-Jan-23	7.64	<4.0	32	32
23-Jan-23	7.57	<4.0	40	36
08-Feb-23	7.38	<4.0	22	24
20-Feb-23	7.52	<4.0	30	16
09-Mar-23	7.26	<4.0	26	12
23-Mar-23	7.48	<4.0	32	24

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

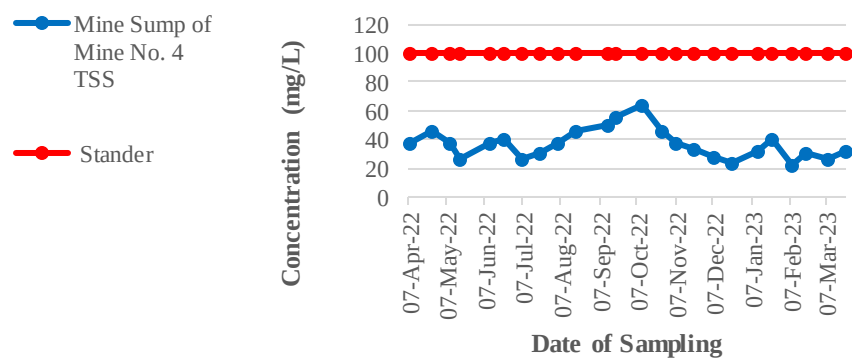
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JOB NO.750001

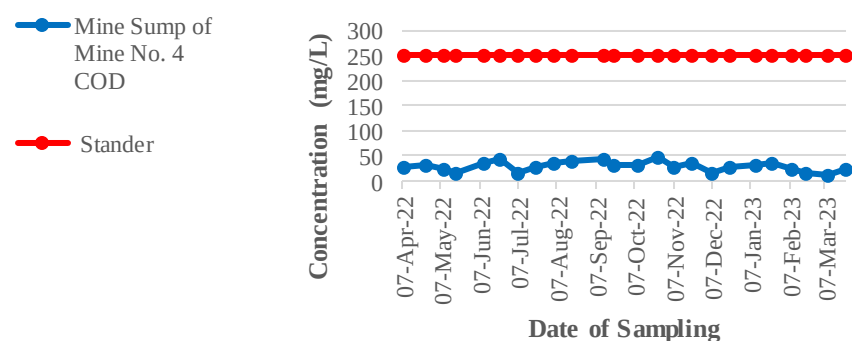
Graph Showing for pH of Mine Sump of Mine No. 4



Graph Showing for TSS of Mine Sump of Mine No. 4



Graph Showing for COD of Mine Sump of Mine No. 4



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Table:353

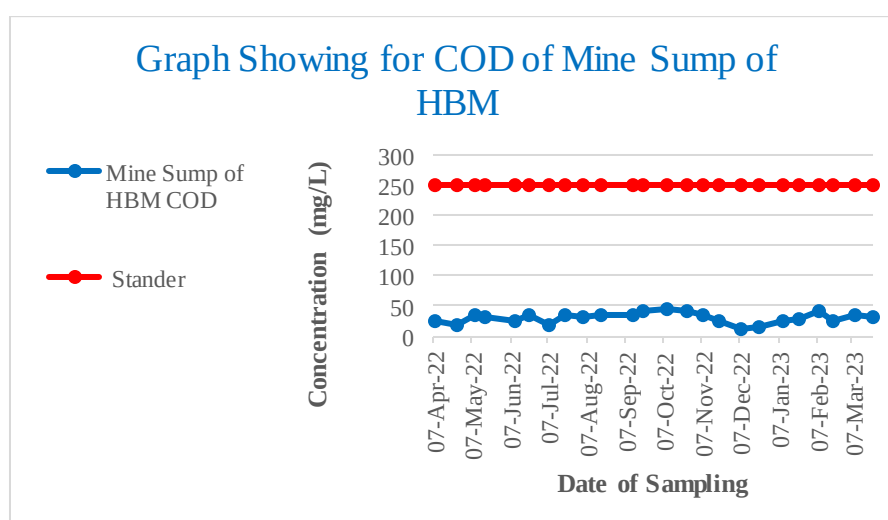
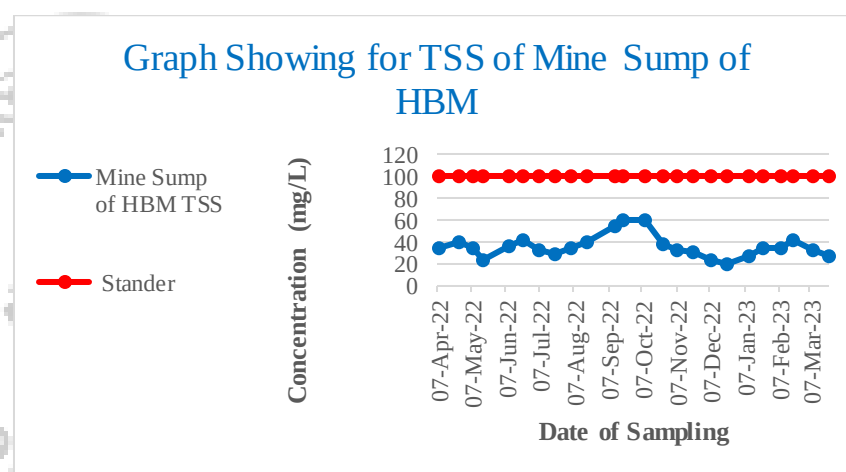
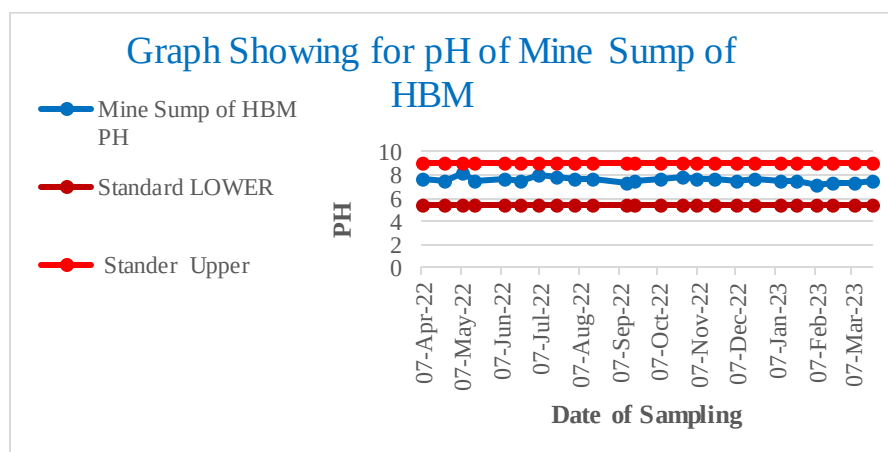
Area: Orient**Project:** HBI Mine**Monitoring station:** Mine Sump of HBM

Date of Sampling	pH	Oil & Grease	TSS	COD
07-Apr-22	7.68	<4.0	34	24
25-Apr-22	7.53	<4.0	40	20
09-May-22	8.16	<4.0	34	36
18-May-22	7.43	<4.0	24	32
10-Jun-22	7.71	<4.0	36	24
22-Jun-22	7.52	<4.0	42	36
07-Jul-22	8.01	<4.0	32	20
21-Jul-22	7.87	<4.0	28	36
04-Aug-22	7.61	<4.0	34	32
18-Aug-22	7.69	<4.0	40	36
13-Sep-22	7.36	<4.0	54	36
20-Sep-22	7.57	<4.0	60	40
10-Oct-22	7.68	<4.0	60	44
26-Oct-22	7.77	<4.0	38	40
07-Nov-22	7.59	<4.0	32	36
21-Nov-22	7.65	<4.0	30	24
08-Dec-22	7.51	<4.0	24	12
22-Dec-22	7.71	<4.0	20	16
11-Jan-23	7.53	<4.0	26	24
23-Jan-23	7.41	<4.0	34	28
08-Feb-23	7.21	<4.0	34	40
20-Feb-23	7.36	<4.0	42	24
09-Mar-23	7.34	<4.0	32	36
23-Mar-23	7.53	<4.0	26	32

MoEF&CC Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD
	5.5-9.0	10	100	250	30

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22 PARAMETER EFFLUENT WATER ANALYTICAL RESULTS

Table:354

Area: Ib valley

Project: Samleswari OCP

Project (OCP / UG)	Samleswari OCP	MoEF-Sch-VI Standards
NAME OF THE STATION	Discharge point of Mine sump water	
Date of Sampling	9-Mar-2023	
Colour(Hazen)	2	—
Odour	Unobjectionable	—
Temperature(°C)	31.3	
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.55	50
Total Kjeldhal Nitrogen, mg/l (As N)	3.41	100
BOD [3 days at 27°C] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.1	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4	5

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Table: 355

Area: Ib valley

Project: Samleswari OCP

Project (OCP / UG)	Smleswari OCP		MoEF-Sch-VI Standards
NAME OF THE STATION	Discharge point of Mine sump water	Mine Sump Water	
Date of Sampling	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	2	3	—
Odour	Unobjectionable	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen , mg/l (As N)	<0.20	0.33	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	2.23	100
BOD [3 days at 27°C] (mg/L)	<2	<2	30
Arsenic, mg/l	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	0.08	0.06	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Dissolved Phosphate(mg/L)	<4	<4	5

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Table: 356

Area: Ib valley**Project:** Lajkura OCP

Project (OCP / UG)	Lajkura OCP		MoEF-Sch-VI Standards
NAME OF THE STATION	Outlet of MDTP	Mine Sump Water	
Date of Sampling	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	3	4	—
Odour	Unobjectionable	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.41	0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	<2	30
Arsenic, mg/l	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	0.06	0.08	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	7.9	2
Iron(mg/L)	<0.1	0.1	3
Dissolved Phosphate(mg/L)	<4	<4	5

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JOB NO.750001

Table: 357

Area: Ib valley

Project: Lilari OCP

Project (OCP / UG)	Lilari OCP	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump Water	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	2	–
Odour	Unobjectionable	–
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.43	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	0.51	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	0.1	3
Dissolved Phosphate(mg/L)	<4	5

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Table: 358

Area: Ib valley

Project: Lakhanpur OCP

Project (OCP / UG)	Lakhanpur OCP	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump Water	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	3	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen , mg/l (As N)	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Dissolved Phosphate(mg/L)	<4	5

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Table: 359

Area: Ib valley

Project: Belpahar OCP

Project (OCP / UG)	Belpahar OCP	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump Water	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	2	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	0.3	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Dissolved Phosphate(mg/L)	<4	5

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Table: 360

Area: Ib valley

Project: Kulda OCP

Project (OCP / UG)	Kulda OCP			MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of ETP	Final outlet of ETP	Mine Sump Water near Kulda Nursery	
Date of Sampling	13-Jan-2023	13-Jan-2023	13-Jan-2023	
Colour(Hazen)	2	1	3	—
Odour	Unobjectionable	Unobjectionable	Unobjectionable	—
Temperature(oC)	25.2	25.3	25.1	
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	<0.5	10
Ammonical Nitrogen , mg/l (As N)	<0.20	0.35	0.59	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.13	2.26	3.38	100
BOD [3 days at 27oC] (mg/L)	<2.0	<2.0	<2.0	30
Arsenic, mg/l	<0.005	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	<0.03	3
Zinc(mg/L)	<0.04	<0.04	<0.04	5
Selenium(mg/L)	<0.005	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.04	<0.04	<0.04	2.0
Nickel(mg/L)	<0.02	<0.02	<0.02	3
Fluoride(mg/L)	0.32	0.36	0.37	2
Sulphide (mg/L)	<0.10	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	<0.1	3
Dissolved Phosphate(mg/L)	<4.0	<4.0	<4.0	5

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Table: 361

Area: Ib valley

Project: Kulda OCP

Project (OCP / UG)	Kulda OCP			MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of ETP	Final outlet of ETP	Mine Sump Water near Kulda Nursery	
Date of Sampling	11-Mar-2023	11-Mar-2023	11-Mar-2023	
Colour(Hazen)	3	4	3	—
Odour	Unobjectionable	Unobjectionable	Unobjectionable	—
Temperature(oC)	27.8	29.1	32.3	
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.35	0.22	0.29	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.27	2.27	1.13	100
BOD [3 days at 27oC] (mg/L)	<2.0	<2.0	<2.0	30
Arsenic, mg/l	<0.005	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	<0.03	3
Zinc(mg/L)	<0.04	0.06	<0.04	5
Selenium(mg/L)	<0.005	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	<0.001	2.0
Nickel(mg/L)	<0.1	<0.1	<0.1	3
Fluoride(mg/L)	<0.3	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	<0.1	3
Dissolved Phosphate(mg/L)	<4.0	<4.0	<4.0	5

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Table: 362

Area: Ib valley**Project:** Kulda OCP

Project (OCP / UG)	Kulda OCP			MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of ETP	Final outlet of ETP	Mine Sump Water near Kulda Nursery	
Date of Sampling	9-Nov-2022	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	3	2	3	—
Odour	Unobjectionable	Unobjectionable	Unobjectionable	—
Temperature(oC)	2.59	2.69	3.59	
Nitrate Nitrogen(mg/L)(As N)	<0.20	<0.20	0.47	10
Ammonical Nitrogen , mg/l (As N)	1.11	1.11	2.22	50
Total Kjeldhal Nitrogen, mg/l (As N)	<2	<2	<2	100
BOD [3 days at 27oC] (mg/L)	<0.005	<0.005	<0.005	30
Arsenic, mg/l	<0.005	<0.005	<0.005	0.2
Lead, mg/l	<0.05	<0.05	<0.05	0.1
Hexavalent Chromium(mg/L)	<0.01	<0.01	<0.01	0.1
Total Chromium(mg/L)	<0.03	<0.03	<0.03	2
Copper(mg/L)	<0.04	<0.04	0.11	3
Zinc(mg/L)	<0.005	<0.005	<0.005	5
Selenium(mg/L)	<0.001	<0.001	<0.001	0.05
Cadmium(mg/L)	<0.02	<0.02	<0.02	2.0
Nickel(mg/L)	<0.3	<0.3	<0.3	3
Fluoride(mg/L)	<0.10	<0.10	<0.10	2
Sulphide (mg/L)	<0.001	<0.001	<0.001	2.0
Phenolic Compounds(mg/L)	<0.04	<0.04	0.54	1.0
Manganese(mg/L)	<0.1	<0.1	<0.1	2
Iron(mg/L)	<4	<4	<4	3
Dissolved Phosphate(mg/L)	3	2	3	5

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Table: 363

Area: Ib valley

Project: Basundhara OCP

Project (OCP / UG)	Basundhara OCP		MoEF-Sch-VI Standards
NAME OF THE STATION	Outlet of settling pond at Excavation workshop B (W) OCP	M1- Basundhara (E) OCP Sump	
Date of Sampling	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	3	2	—
Odour	Unobjectionable	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	3.72	10
Ammonical Nitrogen , mg/l (As N)	0.21	0.43	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	2.23	100
BOD [3 days at 27oC] (mg/L)	<2	<2	30
Arsenic, mg/l	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	0.34	0.07	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Dissolved Phosphate(mg/L)	<4	<4	5

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Table: 364

Area: Ib valley

Project: Garjhanbahal OCP

Project (OCP / UG)	Garjhanbahal OCP			
NAME OF THE STATION	Outlet of Settling tank (Kanika Siding)	Inlet of Settling tank (Kanika Siding)	Mine Sump Water	MoEF-Sch-VI Standards
Date of Sampling	9-Nov-2022	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	3	3	2	—
Odour	Unobjectionable	Unobjectionable	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	2.65	<0.5	3.24	10
Ammonical Nitrogen , mg/l (As N)	0.48	<0.20	0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	3.33	1.11	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	<2	<2	30
Arsenic, mg/l	<0.005	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	<0.03	3
Zinc(mg/L)	<0.04	<0.04	<0.04	5
Selenium(mg/L)	<0.005	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	<0.1	3
Dissolved Phosphate(mg/L)	<4	<4	<4	5

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JOB NO.750001

Table: 365

Area: Ib valley

Project: Orient Mine No.2

Project (OCP / UG)	Orient Mine No.2	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump. of Mine No.2	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	1	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	2.64	10
Ammonical Nitrogen , mg/l (As N)	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Dissolved Phosphate(mg/L)	<4	5

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JOB NO.750001

Table: 366

Area: Ib valley**Project:** Orient Mine No.3

Project (OCP / UG)	Orient Mine No.3	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump. of Mine No.3	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	3	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.30	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.22	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Dissolved Phosphate(mg/L)	<4	5

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JOB NO.750001

Table: 367

Area: Ib valley

Project: HBI Mine

Project (OCP / UG)	HBI Mine	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump. of HBM	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	4	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen , mg/l (As N)	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Dissolved Phosphate(mg/L)	<4	5

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Table: 368

Area: Ib valley

Project: Orient Mine No.4

Project (OCP / UG)	Orient Mine No.4	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump. of Mine No.4	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	3	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	3.33	10
Ammonical Nitrogen , mg/l (As N)	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic, mg/l	<0.005	0.2
Lead, mg/l	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	0.1	3
Dissolved Phosphate(mg/L)	<4	5

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JOB NO.750001

9.2.2 DRINKING WATER ANALYTICAL RESULTS

Table:369

Area: Ib valley

Project: Samaleswari OCP

Project / OCP	Samaleswari OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Well Water from Kudopali													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	1	1	1	1	1	1	2	2	3	3	5	15
Turbidity(NTU)	1	1	2	2	2	3	3	3	3	2	3	1	1	5
pH	6.85	7.82	8.06	7.98	5.78	7.86	7.45	7.28	7.43	7.19	7.33	8.17	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	114.2	122.4	137.1	133.1	145.1	134.4	121.5	117.6	101.9	94.1	139.9	123	200	600
Total Hardness (Ca CO3)(mg/L)	97	101	100	116	109	121	109	105	97	80	87	80	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	26.99	30.85	31.31	28.92	32.78	29.56	23.48	21.53	17.61	13.69	25.67	19.75	250	1000
Total Dissolve Solid(mg/L)	206	212	324	264	288	306	286	298	272	248	186	142	500	2000
Calcium(mg/L)	22.72	17.85	17.71	20.92	17.78	25.86	19.48	17.85	29.09	25.75	28.63	12.88	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.033	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	13.49	8.56	4.06	6.71	3.61	4.63	4.32	7.68	9.64	13.58	17.63	0.25	200	400
Nitrate(mg/L)	<0.5	0.72	<2	<2	<2	<2	<2.0	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.44	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.15	0.12	0.12	0.1	0.14	<0.04	0.292	<0.04	0.09	0.217	0.183	0.19	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	9	4.5	5.8	2.0	6.1	6.1	6.1	5.8	4.0	3.7	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:370

Area: Ib valley

Project: Samaleswari OCP

Project / OCP	Samaleswari OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Tap Water From Samaleswari OCP Colony													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	2	1	1	1	1	2	2	1	2	2	5	15
Turbidity(NTU)	1	2	1	2	2	2	2	2	2	2	2	1	1	5
Ph	6.88	8.12	8.34	8.12	7.69	7.81	7.53	7.65	7.51	7.22	7.28	8.20	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	118.3	126.5	133.1	129	133.1	122.9	105.8	101.9	90.2	86.2	131.4	123	200	600
Total Hardness (Ca CO3)(mg/L)	97	97	92	116	113	109	101	113	113	92	83	84	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	26.99	28.92	31.31	30.85	30.85	25.62	19.57	23.48	19.57	15.66	23.7	23.7	250	1000
Total Dissolve Solid(mg/L)	210	216	210	256	270	258	242	278	254	224	180	148	500	2000
Calcium(mg/L)	25.96	19.47	19.32	24.14	27.47	29.09	25.97	29.21	37.17	32.19	27.04	20.93	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.05	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	15.24	9.27	3.97	6.85	4.35	2.36	2.78	8.28	10.78	5.61	12.71	0.13	200	400
Nitrate(mg/L)	<0.5	0.78	<2	<2	<2	<2	<2.0	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.37	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.18	0.21	0.11	0.36	0.33	0.06	0.139	<0.04	0.11	0.184	0.189	0.17	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	<1.8	8.1	5.6	4.0	5.6	2.0	8.1	3.7	3.6	Absent	Absent	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:371

Area: Ib valley

Project: Samaleswari OCP

Project / OCP	Samaleswari OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Water from IWSS, IB Valley Area													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	1	1	1	1	2	1	1	3	1	1	5	15
Turbidity(NTU)	2	1	1	2	2	2	2	2	3	2	1	1	1	5
Ph	6.90	8.01	8.26	8.15	8.09	7.93	7.71	7.59	7.73	7.31	7.36	8.06	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	114.2	44.9	133.1	133.1	129	119	101.9	113.7	125.4	109.8	139.9	127.2	200	600
Total Hardness (Ca CO3)(mg/L)	105	56	100	96	85	97	89	109	113	88	91	108	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	28.92	19.28	29.35	28.92	25.86	21.68	17.61	21.53	25.44	19.57	25.67	25.67	250	1000
Total Dissolve Solid(mg/L)	214	102	208	252	262	272	256	284	306	286	192	158	500	2000
Calcium(mg/L)	25.96	14.6	24.14	28.97	25.86	27.47	22.72	27.59	32.32	25.75	30.22	33.80	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	16.35	11.41	4.38	7.26	3.27	6.23	6.87	12.46	15.48	12.36	16.34	1.52	200	400
Nitrate(mg/L)	<0.5	0.51	<2	<2	<2	<2	<2.0	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.39	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.16	0.07	0.10	0.27	0.12	<0.04	0.12	<0.04	0.38	0.191	0.215	0.32	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2	6.8	<1.8	6.1	3.7	<1.8	2.0	<1.8	4.0	3.7	Absent	Absent	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table: 372

Area: Ib valley

Project: Samaleswari OCP

Project / OCP	Samaleswari OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Well Water From Lajkura													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	2	1	3	1	1	2	1	3	2	1	5	15
Turbidity(NTU)	2	1	2	2	2	2	3	2	3	2	2	1	1	5
pH	6.95	7.89	8.37	8.17	8.01	8.10	7.89	7.73	7.59	7.39	7.40	7.96	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	110.2	40.8	137.1	137.1	137.1	134.4	129.4	117.6	104.8	90.2	131.4	118.7	200	600
Total Hardness (Ca CO3)(mg/L)	93	77	116	96	105	93	101	105	109	100	83	80	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	26.99	19.28	29.35	32.78	23.14	19.71	23.48	19.57	15.66	11.74	23.7	23.7	250	1000
Total Dissolve Solid(mg/L)	204	104	206	246	254	268	284	304	288	254	178	146	500	2000
Calcium(mg/L)	21.09	12.98	22.53	22.53	21.01	25.86	27.59	25.97	29.09	30.58	22.27	24.14	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	15.56	10.84	4.25	7.81	4.86	5.29	5.87	11.78	13.68	8.32	11.91	2.91	200	400
Nitrate(mg/L)	<0.5	0.55	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.35	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.12	0.05	<0.04	0.19	0.89	<0.04	0.127	<0.04	0.140	0.122	0.225	0.2	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2	4.0	2.0	3.6	6.8	1.8	3.7	4.0	3.6	4.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table: 373

Area: Ib valley

Project: Lajkura OCP

Project / OCP	Lajkura OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Madhuban Nagar Well Water													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	3	2	1	2	1	2	2	2	3	3	1	5	15
Turbidity(NTU)	1	3	1	1	1	1	1	1	2	1	3	2	1	5
pH	7.54	8.33	7.33	7.46	7.63	7.81	7.59	7.31	7.56	7.35	7.45	7.42	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	195.8	151.0	12.1	16.1	16.1	23	27.4	31.4	43.12	47	67.8	144.2	200	600
Total Hardness (Ca CO3)(mg/L)	332	315	32	48	40	52	56	54	69	60	87	149	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	140.74	142.67	19.57	17.35	21.21	25.62	19.57	17.61	21.53	15.66	19.75	77	250	1000
Total Dissolve Solid(mg/L)	708	688	80	102	130	148	134	140	168	152	168	306	500	2000
Calcium(mg/L)	121.70	108.72	9.66	8.05	6.46	9.70	9.74	8.11	17.78	16.10	25.48	49.90	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	0.047	0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	0.12	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	0.069	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	100.00	91.30	3.15	6.85	5.12	6.14	6.62	12.64	18.86	12.81	15.79	18.86	200	400
Nitrate(mg/L)	31.6	28.59	14.42	16.16	15.55	15.07	13.77	13.03	13.77	12.68	11.20	17.16	45	No relaxation
Fluoride(mg/L)	0.85	0.39	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.04	<0.04	0.12	0.46	0.06	0.16	0.160	<0.04	<0.04	0.247	0.089	0.13	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	7.8	<1.8	2.0	4.1	3.6	<1.8	2.0	3.7	4.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:374

Area: Ib valley

Project: Lajkura OCP

Project / OCP	Lajkura OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Adarsh Nagar Colony Well Water													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	2	1	2	3	2	3	3	3	2	1	2	5	15
Turbidity(NTU)	1	2	1	2	3	3	4	4	3	3	1	1	1	5
pH	7.22	8.07	8.04	8.25	8.33	8.17	8.01	7.84	7.63	7.45	7.36	8.15	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	69.4	122.4	125	157.2	149.2	138.2	129.4	113.7	104.8	105.8	63.6	67.8	200	600
Total Hardness (Ca CO3)(mg/L)	101	125	128	209	201	214	194	178	185	165	56	76	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.35	50.13	52.84	102.18	94.47	84.75	74.37	56.75	46.97	39.14	13.8	17.78	250	1000
Total Dissolve Solid(mg/L)	174	296	296	490	472	458	426	398	364	336	126	128	500	2000
Calcium(mg/L)	24.34	32.45	35.41	62.77	59.79	67.88	61.67	53.56	40.40	35.41	14.31	24.14	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.06	<0.04	<0.04	<0.04	<0.04	0.28	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	42.10	30.11	29.18	45.61	38.14	34.96	36.28	31.24	26.78	34.28	9.32	13.67	200	400
Nitrate(mg/L)	0.57	12.79	16.14	26.6	22.09	17.55	15.80	12.14	9.53	8.12	3.07	<2.0	45	No relaxation
Fluoride(mg/L)	0.40	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.2	0.04	0.08	<0.04	0.29	<0.04	<0.04	1.90	0.137	<0.04	0.08	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2	5.5	7.8	3.7	3.5	1.8	5.5	<1.8	4.0	4.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:375

Area: Ib valley

Project: Lajkura OCP

Project / OCP	Lajkura OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Chhualibera Village Well Water													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	1	1	2	2	1	3	2	1	1	2	5	15
Turbidity(NTU)	1	3	1	1	1	1	1	1	1	1	1	2	1	5
pH	7.69	8.38	7.47	7.72	7.53	7.41	7.56	7.42	7.67	7.47	7.40	7.37	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	191.8	130.6	12.1	12.1	20.2	23.04	31.4	39.2	47	39.2	135.7	144.2	200	600
Total Hardness (Ca CO3)(mg/L)	324	323	40	52	44	52	60	68	73	60	91	145	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	138.82	144.6	17.61	19.28	17.35	15.77	19.57	15.66	17.61	11.74	27.65	75.05	250	1000
Total Dissolve Solid(mg/L)	698	696	78	94	112	126	142	164	186	154	194	298	500	2000
Calcium(mg/L)	111.96	110.34	9.66	6.44	6.46	9.70	11.36	14.61	12.93	9.66	23.86	46.68	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.038	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.07	<0.04	<0.04	0.078	<0.04	<0.08	0.058	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	92.06	84.72	3.84	6.71	5.69	7.36	8.27	10.42	14.64	8.91	18.26	16.20	200	400
Nitrate(mg/L)	32.83	29.20	14.48	16.11	15.33	<2	14.94	14.57	13.06	12.12	11.76	17.06	45	No relaxation
Fluoride(mg/L)	0.81	0.46	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.37	0.17	0.15	<0.04	0.13	0.303	<0.04	1.3	0.139	0.159	0.18	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	6.8	2.0	6.8	4.1	1.8	0.2	<1.8	3.5	3.6	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:376

Area: Ib valley

Project: Lajkura OCP

Project / OCP	Lajkura OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	VIP Guest House Tap Water													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	8-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	1	2	1	1	1	1	1	3	2	2	3	5	15
Turbidity(NTU)	2	2	1	1	1	1	2	2	2	2	2	1	1	5
pH	7.60	88.20	8.03	8.12	8.24	8.01	7.63	7.79	7.48	7.28	7.18	7.86	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	81.6	171.4	84.7	76.6	92.74	96	82.3	90.2	74.5	66.6	76.3	63.6	200	600
Total Hardness (Ca CO3)(mg/L)	97	198	84	84	72	85	76	85	81	68	75	56	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	21.21	30.58	21.53	21.21	26.99	25.62	17.61	19.57	15.66	17.61	17.77	13.82	250	1000
Total Dissolve Solid(mg/L)	186	324	170	162	186	204	186	210	194	170	164	110	500	2000
Calcium(mg/L)	24.3	68.2	25.75	20.92	19.39	19.39	17.85	19.48	25.86	22.53	17.50	12.88	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	33.49	22.12	26.16	21.23	18.36	15.23	16.86	18.24	24.62	17.38	13.67	5.95	200	400
Nitrate(mg/L)	0.5	4.12	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.42	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.14	0.13	0.10	0.15	0.05	0.05	<0.04	<0.04	0.07	0.129	0.169	0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	4.5	5.5	4.5	2.1	3.6	<1.8	7.8	4	3.7	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:377

Area: Lakhanpur OCP

Project: Lakhanpur OCP

Project / OCP	Lakhanpur OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	LKP Canteen Tap Water													
Date of Sampling	12-Apr-2022	10-May-2022	11-Jun-2022	8-Jul-2022	5-Aug-2022	15-Sep-2022	7-Oct-2022	8-Nov-2022	9-Dec-2022	12-Jan-2023	9-Feb-2023	10-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	1	1	1	3	2	2	2	1	3	2	5	15
Turbidity(NTU)	1	1	1	2	2	2	3	2	2	2	3	1	1	5
pH	7.58	8.10	8.12	8.25	8.07	8.16	7.91	7.65	7.83	7.59	7.45	7.56	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	73.4	73.4	84.7	84.7	100.8	92.2	86.2	78.4	90.2	82.3	84.8	55.1	200	600
Total Hardness (Ca CO3)(mg/L)	77	89	108	108	101	125	113	101	93	76	72	72	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.5	17.35	23.48	32.78	36.63	41.39	31.31	25.44	27.40	21.53	11.85	15.8	250	1000
Total Dissolve Solid(mg/L)	158	146	182	238	266	284	266	240	274	248	146	118	500	2000
Calcium(mg/L)	19.47	17.85	25.75	33.80	35.55	40.40	37.33	30.84	29.09	24.14	22.27	22.53	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.036	0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	24.44	18.26	31.92	31.78	25.39	22.64	26.24	22.78	28.48	22.51	8.36	9.62	200	400
Nitrate(mg/L)	0.52	0.83	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	3.91	45	No relaxation
Fluoride(mg/L)	0.35	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	<0.04	0.08	0.09	0.07	<0.04	<0.04	0.04	0.119	<0.005	0.08	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	7.8	11	4.0	3.5	<1.8	6.8	2.0	2.1	<1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:378

Area: Lakhanpur

Project: Belpahar OCP

Project / OCP	Belpahar OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	IWSS Outlet													
Date of Sampling	12-Apr-2022	10-May-2022	11-Jun-2022	8-Jul-2022	5-Aug-2022	15-Sep-2022	7-Oct-2022	8-Nov-2022	8-Dec-2022	12-Jan-2023	9-Feb-2023	10-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	2	1	2	3	1	2	1	3	2	3	5	15
Turbidity(NTU)	2	1	1	2	2	2	3	2	3	2	2	1	1	5
pH	7.63	8.16	8.15	8.19	8.01	7.88	7.47	7.29	7.37	7.17	7.31	7.29	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	73.4	73.4	88.7	88.7	80.6	84.5	94.1	82.3	78.4	70.6	55.1	50.9	200	600
Total Hardness (Ca CO3)(mg/L)	65	85	104	100	113	125	137	125	133	112	72	68	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.35	17.35	21.53	26.99	34.70	35.48	39.14	33.27	31.31	27.4	19.75	17.78	250	1000
Total Dissolve Solid(mg/L)	152	144	180	218	242	268	294	272	264	238	124	112	500	2000
Calcium(mg/L)	19.47	17.85	22.53	28.97	24.24	30.71	32.46	29.21	33.94	30.58	23.86	19.32	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	0.041	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	22.54	18.69	31.51	34.38	2756	24.37	22.48	18.76	16.74	11.25	10.91	8.61	200	400
Nitrate(mg/L)	0.55	0.89	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	4.13	45	No relaxation
Fluoride(mg/L)	0.38	<0.3	<0.3	<0.3	<0.03	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	<0.04	0.04	0.04	<0.04	<0.04	<0.04	0.06	<0.04	0.109	0.08	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	14	4.0	6.1	4.1	3.5	14.0	11.0	5.5	1.8	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:379

Area: Mahalaxmi

Project: Basundhara OCP

Project / OCP	Basundhara OCP													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Water Treatment Plant Clear Water Reservoir													
Date of Sampling	13-Apr-2022	11-May-2022	12-Jun-2022	9-Jul-2022	6-Aug-2022	12-Sep-2022	8-Oct-2022	8-Nov-2022	10-Dec-2022	12-Jan-2023	10-Feb-2023	11-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	2	3	3	3	3	3	2	2	2	4	2	5	15
Turbidity(NTU)	2	2	2	3	3	3	3	3	3	3	4	2	1	5
pH	7.31	7.84	7.74	7.92	7.68	7.72	7.55	7.68	7.41	7.25	7.39	7.22	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	32.6	32.6	28.2	24.2	40.3	46.1	58.8	70.6	66.6	58.8	29.7	25.4	200	600
Total Hardness (Ca CO3)(mg/L)	198	222	237	201	213	198	174	186	194	177	103	133	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	15.42	17.61	19.28	26.99	29.57	21.53	25.44	21.53	23.48	9.87	13.82	250	1000
Total Dissolve Solid(mg/L)	334	332	328	320	348	362	338	356	318	292	194	178	500	2000
Calcium(mg/L)	43.81	40.57	49.90	46.68	43.63	51.72	45.44	48.69	54.95	51.51	34.99	43.46	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.04	0.052	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	21.75	88.58	156.2	115.06	98.7	88.72	76.34	71.48	68.47	48.29	43.18	62.15	200	400
Nitrate(mg/L)	1.63	1.89	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.57	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.13	0.53	0.39	0.10	0.04	0.265	<0.04	0.47	0.370	0.126	0.12	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6	4	<1.8	3.7	8.2	8.2	7.8	6.1	6.1	5.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolic (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:380

Area: Basundhara OCP

Project: Garjanbahal OCP

Project / OCP	Garjanbahal OCP									Indian Drinking Standards (IS-10500):2012
Monitoring Station	Basundhara Colony Tap Water (Reported)									
Date of Sampling	13-Apr-2022	12-Sep-2022	8-Oct-2022	8-Nov-2022	10-Dec-2022	12-Jan-2023	10-Feb-2023	11-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	3	3	2	2	2	4	2	5	15
Turbidity(NTU)	2	3	3	3	3	3	4	2	1	5
pH	7.31	7.72	7.55	7.68	7.41	7.25	7.39	7.22	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	32.6	46.1	58.8	70.6	66.6	58.8	29.7	25.4	200	600
Total Hardness (Ca CO3)(mg/L)	198	198	174	186	194	177	103	133	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	29.57	21.53	25.44	21.53	23.48	9.87	13.82	250	1000
Total Dissolve Solid(mg/L)	334	362	338	356	318	292	194	178	500	2000
Calcium(mg/L)	43.81	51.72	45.44	48.69	54.95	51.51	34.99	43.46	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	<0.04	0.04	0.052	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	21.75	88.72	76.34	71.48	68.47	48.29	43.18	62.15	200	400
Nitrate(mg/L)	1.63	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.57	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.04	0.265	<0.04	0.47	0.370	0.126	0.12	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)		8.2	7.8	6.1	6.1	5.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:381

Area: Orient

Project: Orient Mine No. 1 & 2

Project / OCP	Orient Mine No. 1 & 2												Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tap Water at Budhijaam Colony													
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	9-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	1	1	1	1	2	2	3	2	1	3	5	15
Turbidity(NTU)	1	1	1	1	2	2	2	1	2	2	1	1	1	5
pH	7.42	8.14	8.11	8.18	7.89	7.64	7.78	7.53	7.27	7.09	7.17	7.19	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	81.6	81.6	84.7	92.7	108.9	96	105.8	86.2	94.1	86.2	76.3	63.6	200	600
Total Hardness (Ca CO ₃)(mg/L)	85	85	108	92	113	105	113	105	93	84	52	72	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	19.28	21.21	21.53	15.42	25.06	21.68	25.44	21.53	25.44	17.61	19.75	13.82	250	1000
Total Dissolve Solid(mg/L)	180	182	166	188	212	228	244	230	248	224	138	128	500	2000
Calcium(mg/L)	17.85	17.85	19.32	27.36	24.24	30.71	32.46	29.21	27.47	24.14	12.72	17.71	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	0.039	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	0.055	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	19.84	29.68	24.79	20.27	16.12	14.36	16.54	14.08	16.72	13.92	12.78	6.33	200	400
Nitrate(mg/L)	0.58	0.75	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.37	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.52	0.1	0.34	0.05	0.04	<0.04	<0.04	<0.04	0.2	0.183	0.558	0.07	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	3.7	4.5	6.8	8.2	3.6	5.6	4.0	5.8	4.0	Absent	Absent	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:382

Area: Orient

Project: Orient Mine No. 1 & 2

Project / OCP	Orient Mine No. 1 & 2													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Mine no 1 & 2 Filter Plant													Permissible
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	9-Feb-2023	9-Mar-2023	Acceptable	
Colour(Hazen)	2	2	1	2	1	1	1	1	3	2	3	4	5	15
Turbidity(NTU)	2	1	2	1	2	2	2	2	2	3	3	1	1	5
pH	7.45	8.21	8.22	8.29	8.11	7.93	7.80	7.64	7.83	7.63	7.51	7.47	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	122.4	134.6	141.1	88.7	104.8	107.5	101.9	90.16	105.8	98	67.8	127.2	200	600
Total Hardness (Ca CO3)(mg/L)	97	101	108	92	81	101	117	101	105	92	60	88	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	32.78	32.78	37.18	21.21	17.35	19.71	19.57	15.66	23.48	19.57	13.82	31.6	250	1000
Total Dissolve Solid(mg/L)	218	218	214	202	226	244	268	248	284	266	106	172	500	2000
Calcium(mg/L)	17.85	17.85	19.32	27.36	25.86	32.32	35.71	32.46	35.55	28.97	19.09	24.14	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.3	0.08	<0.3	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	17.94	2.71	2.05	23.42	18.37	15.91	17.63	16.48	24.78	19.35	8.12	1.14	200	400
Nitrate(mg/L)	0.98	1.48	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.45	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.07	<0.4	<0.04	0.06	0.18	0.445	<0.04	0.11	<0.04	0.058	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2	<1.8	3.6	2.1	8.3	2	4.0	<1.8	13.0	8.3	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:383

Area: Orient

Project: Orient Mine No. 3

Project / OCP	Orient Mine No. 3													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Mine no 3 Filter Plant													Permissible
Date of Sampling	11-Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	11-Jan-2023	9-Feb-2023	11-Jan-2023	Acceptable	
Colour(Hazen)	1	1	1	2	1	2	1	2	4	1	2	1	5	15
Turbidity(NTU)	3	2	1	2	2	2	3	2	3	2	2	2	1	5
pH	7.48	7.88	8.26	8.35	8.19	8.05	7.93	7.79	7.57	7.31	7.43	7.31	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	89.8	77.5	84.7	145.1	161.3	142.1	117.6	125.4	117.6	121.5	72.1	121.5	200	600
Total Hardness (Ca CO ₃)(mg/L)	85	93	100	108	129	137	153	165	161	1.37	72	1.37	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	23.14	23.48	38.56	34.70	29.57	33.27	35.23	27.40	23.48	13.82	23.48	250	1000
Total Dissolve Solid(mg/L)	172	172	178	248	266	248	274	298	280	256	144	256	500	2000
Calcium(mg/L)	27.59	16.23	19.32	24.14	27.74	29.09	32.46	38.95	46.87	40.24	23.86	40.24	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	17.46	28.54	28.63	3.56	19.92	18.36	20.54	24.78	21.82	15.36	13.27	15.36	200	400
Nitrate(mg/L)	<0.5	0.71	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.38	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.08	<0.04	0.64	0.14	<0.04	<0.04	<0.04	0.15	0.098	<0.04	0.098	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	4.5	8.1	4.1	6.1	<1.8	2.0	4.5	8.3	5.8	Absent	5.8	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:384

Area: Orient

Project: HBI Mine

Project / OCP	HBI Mine													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Tap Water at Rampur Colony													
Date of Sampling	11Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	12-Jan-2023	9-Feb-2023	9-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	2	1	1	2	3	2	2	2	3	2	3	5	15
Turbidity(NTU)	2	2	1	2	2	2	3	3	3	2	2	1	1	5
pH	7.68	8.16	8.33	8.39	8.23	8.15	8.04	7.88	7.49	7.21	7.47	7.38	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	122.4	122.4	133.1	133.1	141.2	126.7	125.4	109.8	121.5	113.7	131.4	67.8	200	600
Total Hardness (Ca CO3)(mg/L)	93	101	88	92	113	109	117	113	121	120	95	84	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	30.85	28.92	27.40	30.85	36.63	35.48	37.18	31.31	29.36	25.44	27.65	19.75	250	1000
Total Dissolve Solid(mg/L)	222	216	198	226	258	274	292	270	294	278	190	134	500	2000
Calcium(mg/L)	27.59	19.47	28.97	22.53	21.01	21.01	27.59	29.21	37.17	38.63	28.63	17.71	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	21.27	13.70	0.96	9.59	3.01	5.01	8.28	10.48	14.64	9.35	25.86	11.27	200	400
Nitrate(mg/L)	0.61	0.54	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.49	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.04	0.14	0.11	0.13	0.25	0.06	0.129	<0.04	0.22	0.05	<0.04	0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	46	6.8	2.0	<1.8	1.8	41	3.7	2.0	2.0	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:385

Area: Orient

Project: HBI Mine

Project / OCP	HBI Mine													Indian Drinking Standards (IS-10500):2012
Monitoring Station	HBI Water Filter Plant													
Date of Sampling	11Apr-2022	9-May-2022	10-Jun-2022	7-Jul-2022	4-Aug-2022	14-Sep-2022	6-Oct-2022	7-Nov-2022	8-Dec-2022	13-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour (Hazen)	3	2	3	1	2	2	3	2	2	3	3	3	5	15
Turbidity (NTU)	2	2	1	2	2	2	3	2	3	2	2	2	1	5
pH	7.30	7.98	8.21	8.33	8.14	7.98	7.65	7.48	7.73	7.79	7.79	7.79	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	126.5	122.4	137.1	129	149.2	134.4	121.5	133.3	125.4	82.3	82.3	82.3	200	600
Total Hardness (Ca CO3)(mg/L)	89	113	92	112	93	101	97	121	129	108	108	108	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	30.85	30.89	29.35	30.85	38.56	39.42	29.35	27.40	33.27	23.48	23.48	23.48	250	1000
Total Dissolve Solid(mg/L)	230	224	202	234	266	286	262	288	306	216	216	216	500	2000
Calcium(mg/L)	25.96	19.47	17.71	24.14	22.62	29.09	27.59	32.46	35.55	30.58	30.58	30.58	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	22.86	13.98	2.19	10.55	6.24	4.62	6.48	8.76	12.14	9.32	9.32	9.32	200	400
Nitrate(mg/L)	0.67	0.69	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.46	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.19	0.09	0.10	<0.04	0.18	<0.04	<0.04	<0.04	0.04	<0.04	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	4.0	3.6	3.5	8.1	<1.8	7.8	5.5	8.3	<1.8	<1.8	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:386

Area: MCL

Project: MCL (HQ)

Project / OCP	MCL(HQ)													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Tap water at DAV School (Anand vihar)													
Date of Sampling	18-Apr-2022	12-May-2022	13-Jun-2022	12-Jul-2022	9-Aug-2022	13-Sep-2022	9-Oct-2022	10-Nov-2022	14-Dec-2022	13-Jan-2023	11-Feb-2023	14-Mar-2023	Acceptable	Permissible
Colour (Hazen)	2	1	2	1	1	1	1	2	2	3	3	2	5	15
Turbidity (NTU)	2	1	1	1	2	1	2	1	2	2	3	2	1	5
pH	7.66	8.07	8.33	8.27	8.19	8.03	8.13	8.20	8.01	7.79	7.30	7.73	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	97.9	106.1	104.8	88.7	104.8	88.3	98	86.2	94.1	82.3	93.3	97.5	200	600
Total Hardness (Ca CO3) (mg/L)	85	101	88	100	89	109	117	113	105	108	64	149	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.5	13.5	17.6	19.28	23.14	19.71	23.48	21.53	25.44	23.48	13.8	11.85	250	1000
Total Dissolve Solid(mg/L)	168	170	168	186	214	206	228	218	226	216	168	184	500	2000
Calcium(mg/L)	19.47	24.34	27.36	30.58	32.32	35.55	38.95	35.70	33.94	30.58	19.09	40.24	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	17.78	20.40	18.36	16.03	8.36	7.35	8.92	10.28	15.27	9.32	14.36	2.91	200	400
Nitrate(mg/L)	<0.5	0.66	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.39	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	<0.04	0.06	0.06	0.06	<0.04	<0.04	<0.04	<0.04	0.055	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	2.0	4.0	4.5	<1.8	<1.8	4.0	<1.8	<1.8	<1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:387

Area: MCL

Project: MCL (HQ)

Project / OCP	MCL(HQ)													Indian Drinking Standards (IS-10500):2012
Monitoring Station	Tap Water at Corporate Office (Jagriti Vihar)													
Date of Sampling	18-Apr-2022	12-May-2022	13-Jun-2022	12-Jul-2022	9-Aug-2022	13-Sep-2022	9-Oct-2022	10-Nov-2022	14-Dec-2022	13-Jan-2023	11-Feb-2023	14-Mar-2023	Acceptable	Permissible
Colour (Hazen)	1	2	1	2	2	2	2	3	3	2	2	3	5	15
Turbidity (NTU)	1	1	1	1	2	1	1	1	2	2	2	1	1	5
pH	7.69	8.24	8.22	8.19	8.23	8.12	8.06	8.14	8.09	7.87	7.36	7.19	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	102	102	104.8	92.7	100.8	92.2	78.4	82.3	86.2	78.4	93.3	89	200	600
Total Hardness (Ca CO3) (mg/L)	97	97	108	88	97	93	101	117	105	120	56	76	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	17.35	15.66	17.35	25.06	27.59	21.53	25.44	27.40	21.53	15.8	9.87	250	1000
Total Dissolve Solid(mg/L)	174	174	196	180	206	218	206	228	238	220	160	138	500	2000
Calcium(mg/L)	24.34	25.96	30.58	30.58	33.94	27.47	25.97	32.46	30.71	37.02	14.31	24.14	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.044	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	18.89	19.55	33.42	21.64	12.51	11.85	12.34	16.48	18.76	12.87	12.84	16.33	200	400
Nitrate(mg/L)	<0.5	0.52	<2	<2	<2	<2	<2	<2	<2.0	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	0.42	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.41	<0.04	0.07	0.27	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	11	3.7	3.6	<1.8	<1.8	8.1	13	<1.8	<1.8	Absent	Absent	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:388

Area: MCL

Project: MCL (HQ)

Project / OCP	MCL(HQ)				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Inlet to Water Treatment Plant (Anand Vihar)					
Date of Sampling	12-May-2022	9-Aug-2022	10-Nov-2022	11-Feb-2023	Acceptable	Permissible
Colour (Hazen)	1	2	2	4	5	15
Turbidity (NTU)	1	1	1	4	1	5
pH	8.24	8.01	8.12	7.25	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	97.9	104.8	94.1	93.3	200	600
Total Hardness (Ca CO3) (mg/L)	97	173	125	56	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	19.28	21.53	11.85	250	1000
Total Dissolve Solid(mg/L)	164	186	198	144	500	2000
Calcium(mg/L)	24.3	21.01	29.21	11.13	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	0.031	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	19.98	13.61	26.12	9.75	200	400
Nitrate(mg/L)	0.58	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.03	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.04	0.58	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.5	1.8	2.0	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:389

Area: MCL

Project: MCL (HQ)

Project / OCP	MCL(HQ)				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Outlet to Water Treatment Plant (Anand Vihar)					
Date of Sampling	12-May-2022	9-Aug-2022	10-Nov-2022	11-Feb-2023	Acceptable	Permissible
Colour (Hazen)	2	2	1	3	5	15
Turbidity (NTU)	2	1	2	3	1	5
pH	8.30	8.12	8.24	7.29	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	102	108.9	104.8	97.5	200	600
Total Hardness (Ca CO3) (mg/L)	97	93	109	64	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	21.21	23.48	13.8	250	1000
Total Dissolve Solid(mg/L)	164	192	210	152	500	2000
Calcium(mg/L)	24.34	21.01	25.97	19.09	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganes(mg/L)	<0.07	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	19.12	10.36	22.86	8.75	200	400
Nitrate(mg/L)	0.52	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.11	<0.04	0.046	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	1.8	5.8	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

9.2.3 WELL WATER ANALYTICAL RESULTS

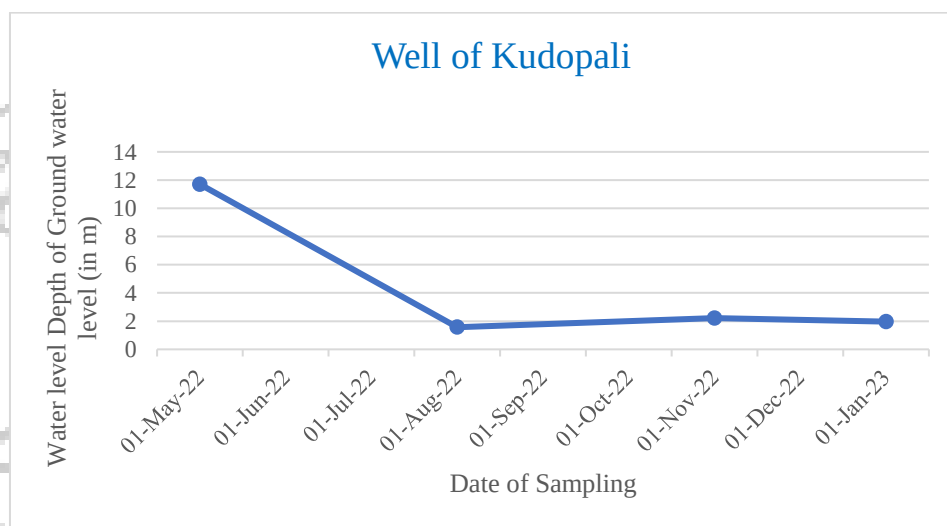
Table: 390

Area: Ib valley

Project: Samaleswari OCP

Monitoring Station: Well of Kudopali

Date of sampling	Water level Depth of Ground water level (in m)
23-May-22	11.7
18-Aug-22	1.57
21-Nov-22	2.21
23-Jan-23	1.96



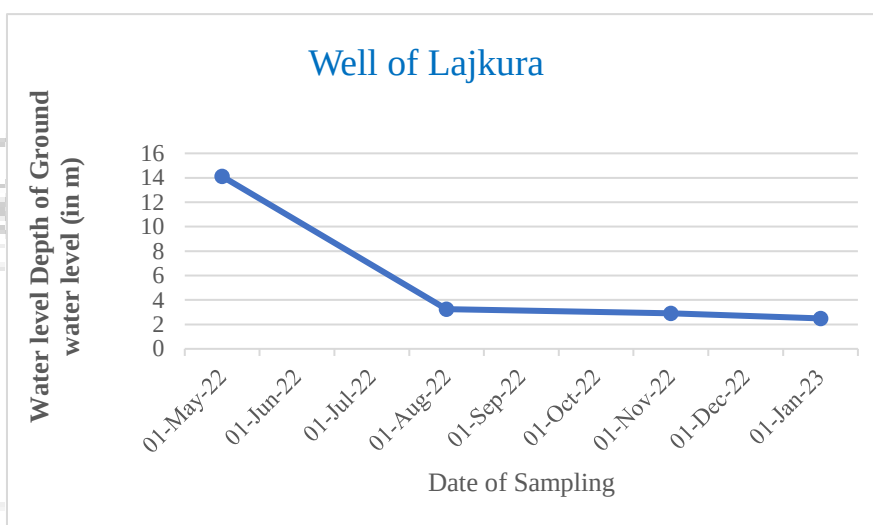
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Table: 391

Area: Ib valley**Project:** Samaleswari OCP**Monitoring Station:** Well of Lajkura

Date of sampling	Water level Depth of Ground water level (in m)
23-May-22	14.11
18-Aug-22	3.25
21-Nov-22	2.9
23-Jan-23	2.49



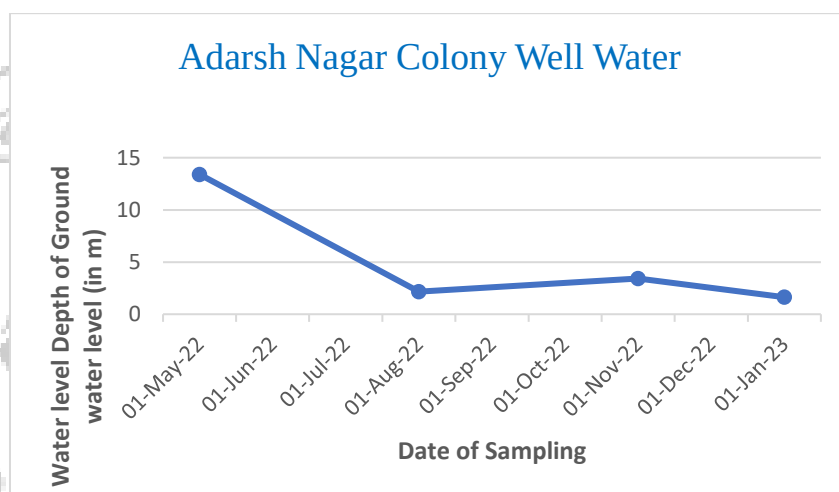
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Table: 392

Area: Ib valley**Project:** Lajkura OCP**Monitoring Station:** Adarsh Nagar Colony Well Water

Date of sampling	Water level (bgl in meters)
23-May-22	13.4
18-Aug-22	2.16
21-Nov-22	3.43
23-Jan-23	1.63



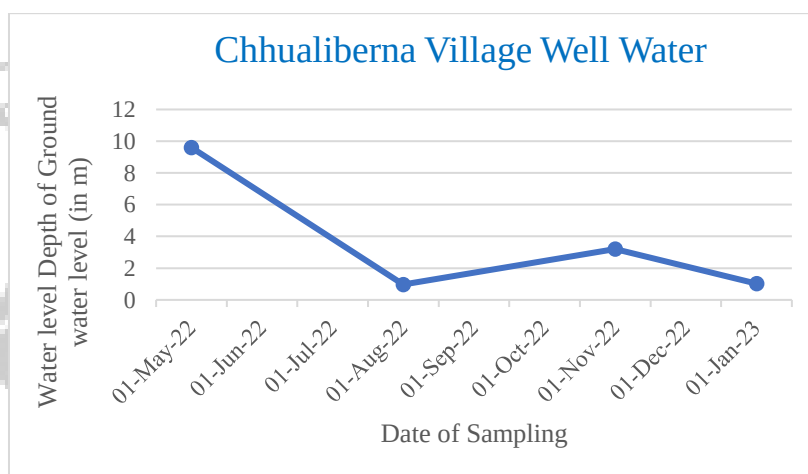
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JOB NO.750001

Table: 393

Area: Ib valley**Project:** Lajkura OCP**Monitoring Station:** Chhualiberna Village Well Water

Date of sampling	Water level (bgl in meters)
23-May-22	9.6
18-Aug-22	0.97
21-Nov-22	3.2
23-Jan-23	1.02



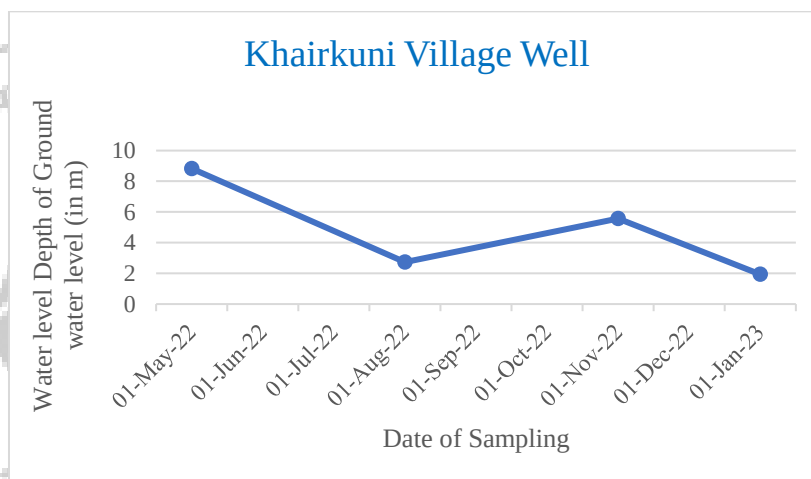
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Table: 394

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring Station:** Khairkuni Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	8.83
19-Aug-22	2.74
21-Nov-22	5.56
23-Jan-23	1.93



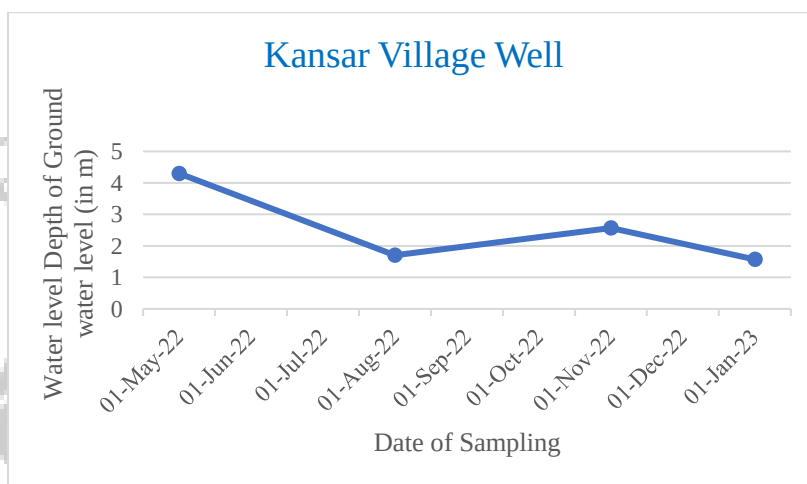
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JOB NO.750001

Table: 395

Area: Lakhanpur**Project:** Lakhanpur OCP**Monitoring Station:** Kansar Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	4.3
19-Aug-22	1.7
21-Nov-22	2.57
23-Jan-23	1.57



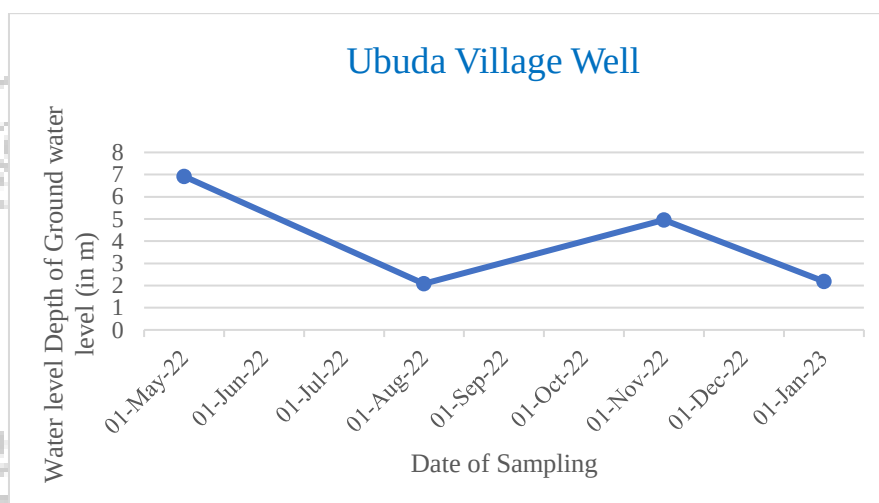
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Table: 396

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring Station:** Ubuda Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	6.92
19-Aug-22	2.08
22-Nov-22	4.95
23-Jan-23	2.18



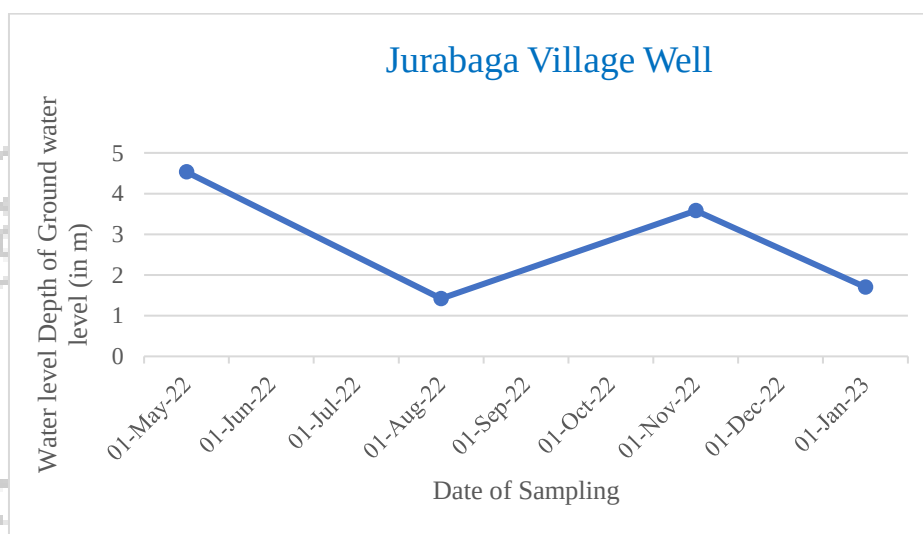
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Table: 397

Area: Lakhanpur**Project:** Belpahar OCP**Monitoring Station:** Jurabaga Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	4.53
19-Aug-22	1.42
22-Nov-22	3.58
23-Jan-23	1.7



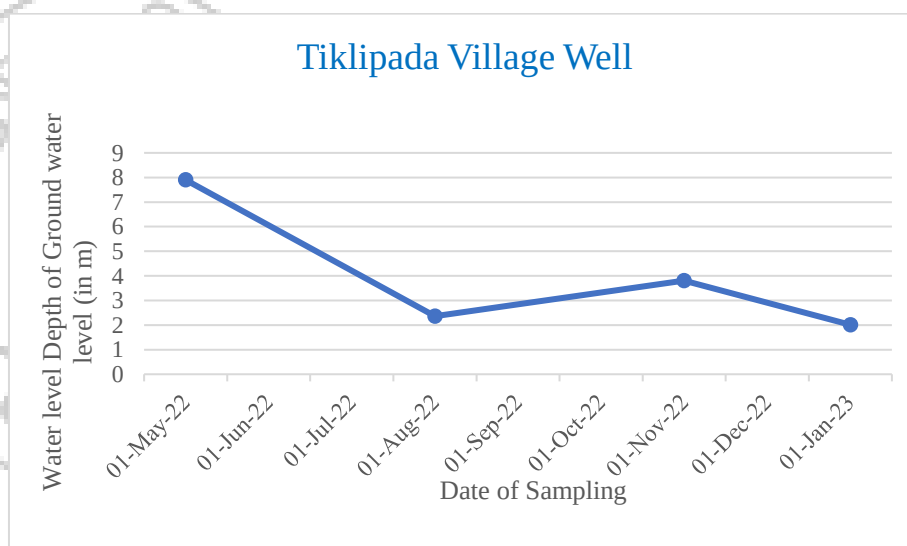
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Table: 398

Area: Mahalaxmi**Project:** Basundhara (W) OCP**Monitoring Station:** Tiklipada Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	7.9
20-Aug-22	2.36
23-Nov-22	3.81
25-Jan-23	2.01



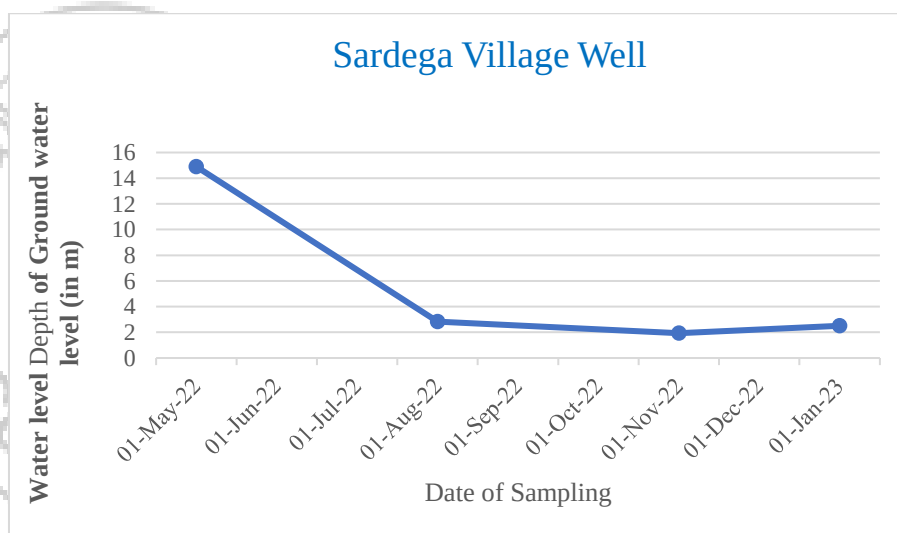
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Table: 399

Area: Mahalaxmi**Project:** Basundhara (W) OCP**Monitoring Station:** Sardega Village Well

Date of sampling	Water level (bgl in meters)
25-May-22	14.9
20-Aug-22	2.82
23-Nov-22	1.93
25-Jan-23	2.51



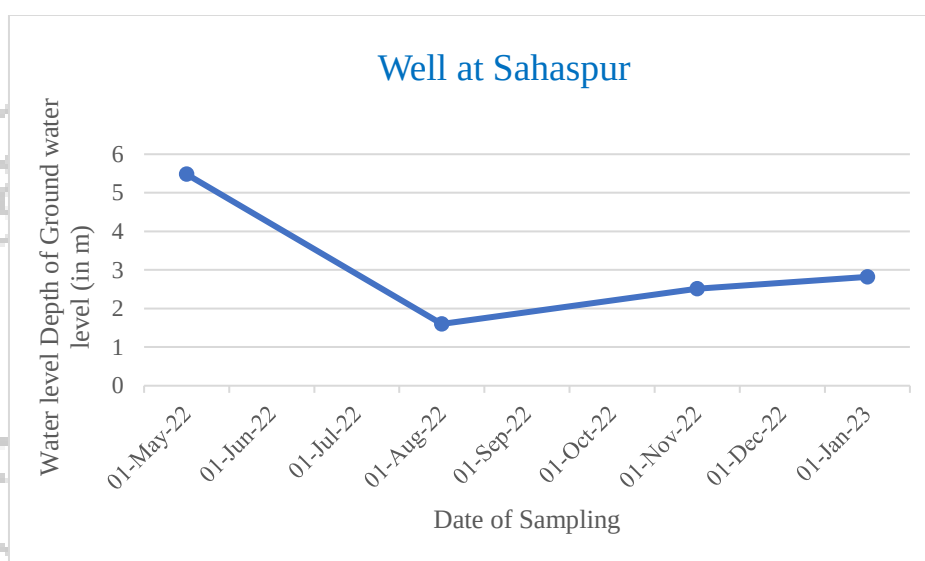
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Table: 400

Area: Basundhara**Project:** Kulda OCP**Monitoring Station:** Well at Sahaspur

Date of sampling	Water level (bgl in meters)
23-May-22	5.48
20-Aug-22	1.6
23-Nov-22	2.51
25-Jan-23	2.82



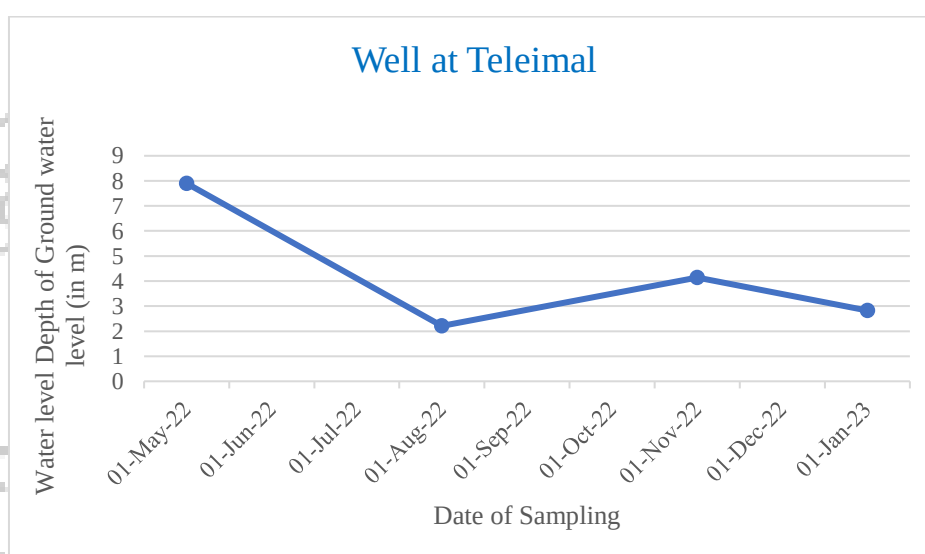
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Table: 401

Area: Basundhara**Project:** Kulda OCP**Monitoring Station:** Well at Teleimal

Date of sampling	Water level (bgl in meters)
23-May-22	7.9
20-Aug-22	2.21
23-Nov-22	4.14
25-Jan-23	2.82



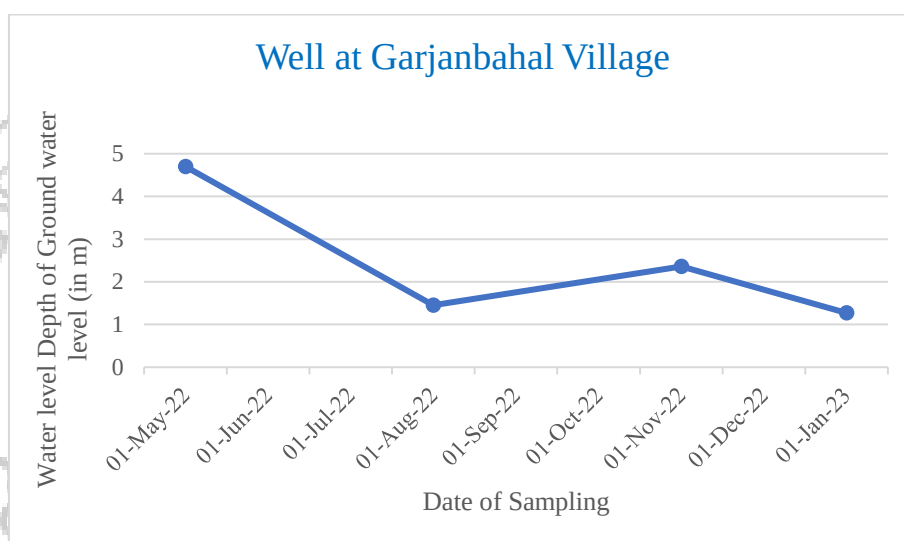
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Table: 402

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** Well at Garjanbahal Village

Date of sampling	Water level (bgl in meters)
23-May-22	4.7
20-Aug-22	1.45
23-Nov-22	2.36
25-Jan-23	1.27



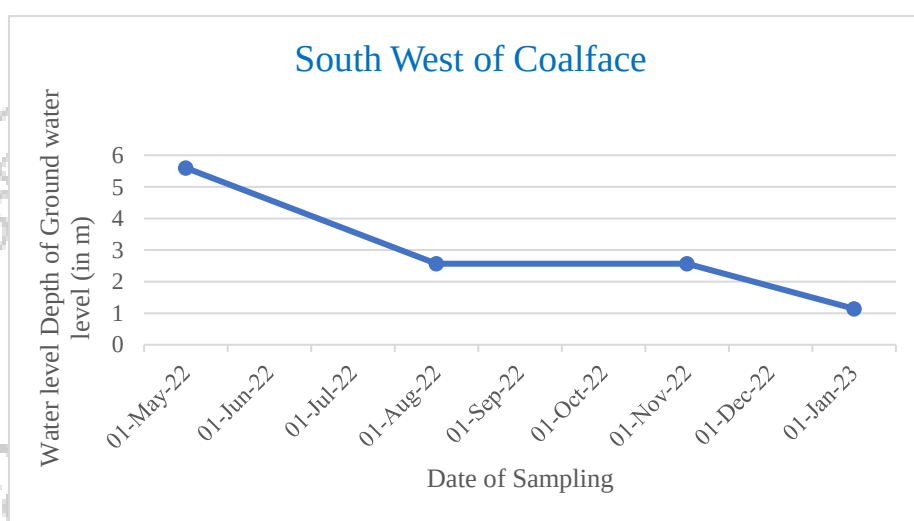
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JOB NO.750001

Table: 403

Area: Basundhara**Project:** Garjanbahal OCP**Monitoring Station:** South West of Coalface

Date of sampling	Water level (bgl in meters)
23-May-22	5.6
20-Aug-22	2.57
23-Nov-22	2.57
25-Jan-23	1.14



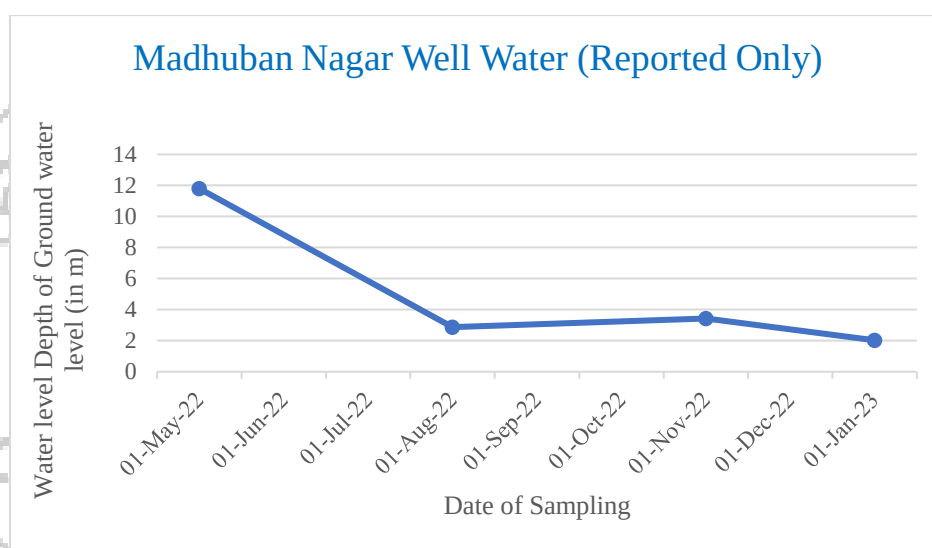
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JOB NO.750001

Table: 404

Area: Orient**Project:** Orient Mine no. 2**Monitoring Station:** Madhuban Nagar Well Water (Reported Only)

Date of sampling	Water level (bgl in meters)
23-May-22	11.8
18-Aug-22	2.87
21-Nov-22	3.43
24-Jan-23	2.03



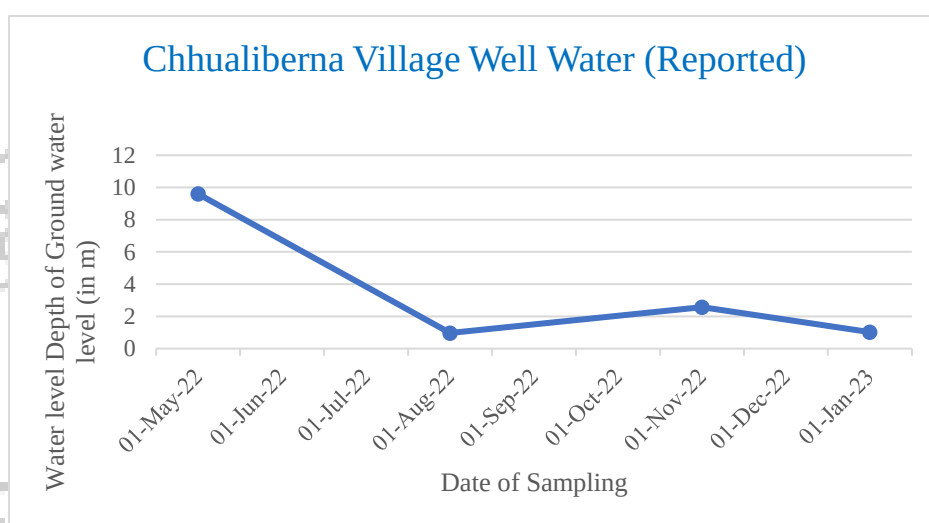
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JOB NO.750001

Table: 405

Area: Orient**Project:** Orient Mine no. 2**Monitoring Station:** Chhualibera Village Well Water (Reported)

Date of sampling	Water level (bgl in meters)
23-May-22	9.6
19-Aug-22	0.97
21-Nov-22	2.57
23-Jan-23	1.02



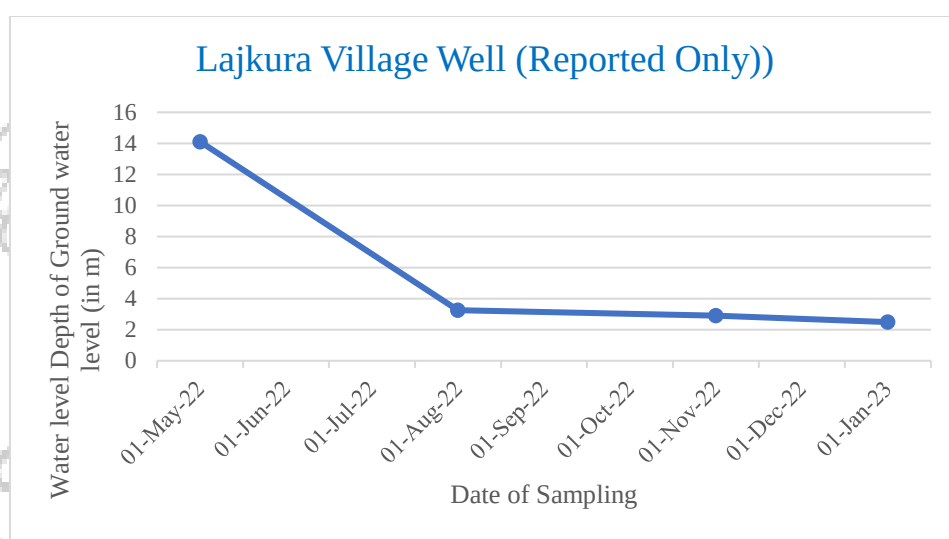
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JOB NO.750001

Table: 406

Area: Orient**Project:** Orient Mine no. 3**Monitoring Station:** Lajkura Village Well (Reported Only))

Date of sampling	Water level (bgl in meters)
23-May-22	14.11
18-Aug-22	3.25
21-Nov-22	2.9
23-Jan-23	2.49



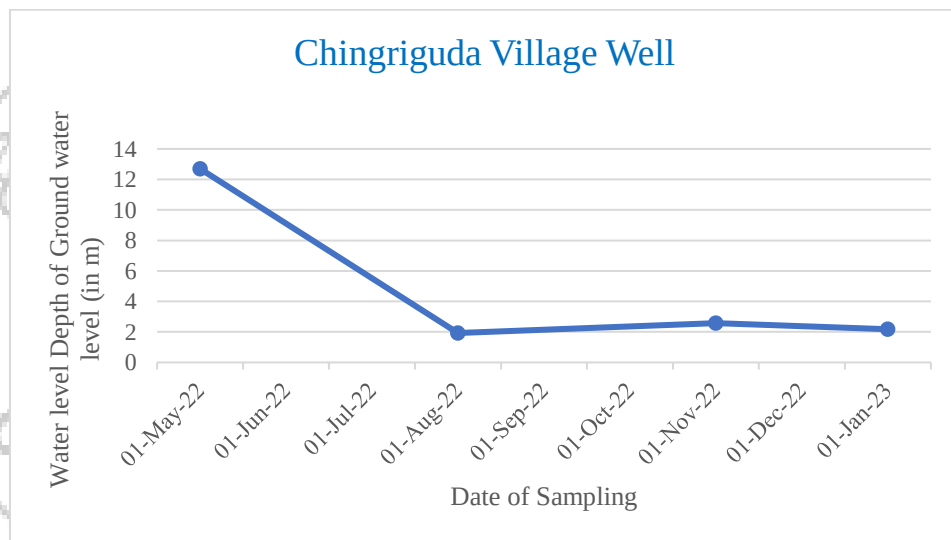
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JOB NO.750001

Table: 407

Area: Orient**Project:** HBI Mine**Monitoring Station:** Chingriguda Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	12.7
18-Aug-22	1.93
21-Nov-22	2.57
24-Jan-23	2.18



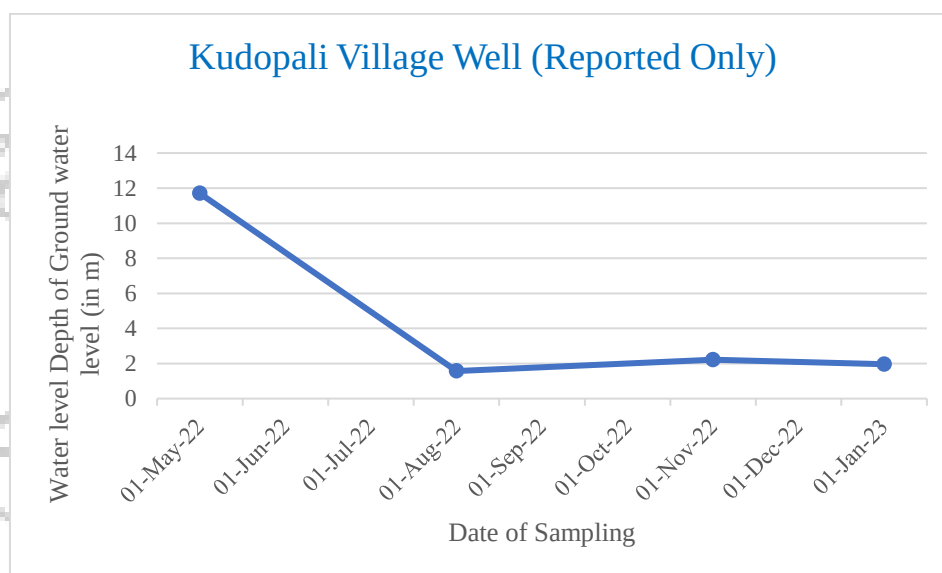
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JOB NO.750001

Table: 408

Area: Orient**Project:** HBI**Monitoring Station:** Kudopali Village Well (Reported Only)

Date of sampling	Water level (bgl in meters)
23-May-22	11.7
18-Aug-22	1.57
21-Nov-22	2.21
23-Jan-23	1.96



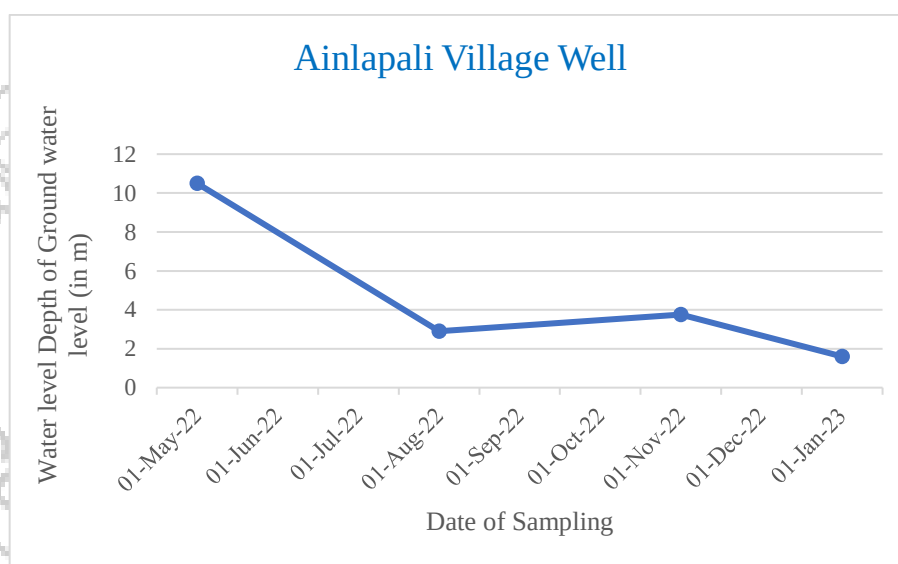
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JOB NO.750001

Table: 409

Area: Orient**Project:** HBI**Monitoring Station:** Ainlapali Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	10.5
18-Aug-22	2.9
21-Nov-22	3.76
24-Jan-23	1.6



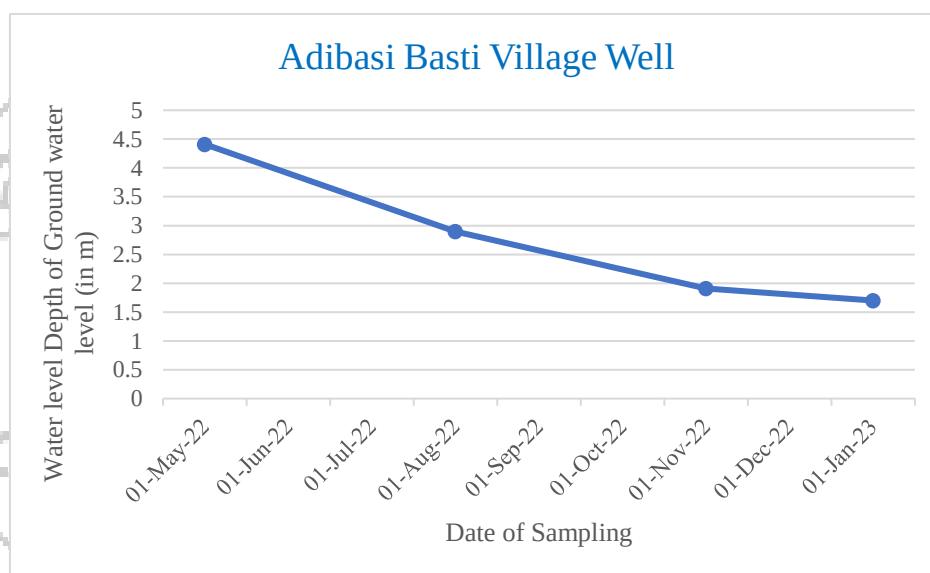
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JOB NO.750001

Table: 410

Area: Orient**Project:** Orient Mine no.4**Monitoring Station:** Adibasi Basti Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	4.41
18-Aug-22	2.9
21-Nov-22	1.91
24-Jan-23	1.7



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Table: 411

Area: Orient

Project: Orient Mine no.4

Monitoring Station: Jhopadi Basti Village Well

Date of sampling	Water level (bgl in meters)
23-May-22	DRY
18-Aug-22	
21-Nov-22	
24-Jan-23	



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9.2.4 PIEZOMETER WATER ANALYTICAL RESULTS

Table:412

Area	Project	Name of the Station	Date of Sampling	Below Ground Levels (in meter)
Ib Valley	Samaleswari OCP	Piezometer No MIP 04; Village Kutabaga; (Believer's Church School) Latitude 21° 47 '55" N Longitude 83°56'24" E	24-May-22	Online water level Monitoring system installed. Depth and water quality could not be measured.
		Piezometer No MIP 04; Village Kutabaga; (Believer's Church School) Latitude 21° 47 '55" N Longitude 83°56'24" E	07-Aug-22	
		Piezometer No MIP 04; Village Kutabaga; (Believer's Church School) Latitude 21° 47 '55" N Longitude 83°56'24" E	08-Nov-22	
		Piezometer No MIP 04; Village Kutabaga; (Believer's Church School) Latitude 21° 47 '55" N Longitude 83°56'24" E	23-Jan-23	4.16
	Lajkura OCP	Piezometer No MIP 02; Village Gumadera; Village High School 21°47'50" N Longitude 83°52'37" E	24-May-22	23.5
		Piezometer No MIP 02; Village Gumadera; Village High School 21°47'50" N Longitude 83°52'37" E	18-Aug-22	18.13
		Piezometer No MIP 02; Village Gumadera; Village High School 21°47'50" N Longitude 83°52'37" E	07-Nov-22	23.2
		Piezometer No MIP 02; Village Gumadera; Village High School 21°47'50" N Longitude 83°52'37" E	23-Jan-23	20.42
Lakhanpur	Lakhanpur	Piezometer No MIP 10; Village Dahaldera; Inside the Premises of UP School. Latitude 21 ° 46 '51" N Longitude 83 ° 48'47" E	24-May-22	15
		Piezometer No MIP 09; Village Junion; Inside the Premises of State Govt. Horticulture InstituteLatitude 21°45'49" N Longitude 83°47'42" E.	24-May-22	7.5
		Piezometer No MIP 09; Village Junion; Inside the Premises of State Govt. Horticulture InstituteLatitude 21°45'49" N Longitude 83°47'42" E.	19-Aug-22	8.11
		Piezometer No MIP 10; Village Dahaldera; Inside the Premises of UP School. Latitude 21 ° 46 '51" N Longitude 83 ° 48'47" E	19-Aug-22	6.32
		Piezometer No MIP 09; Village Junion; Inside the Premises of State Govt. Horticulture InstituteLatitude 21°45'49" N Longitude 83°47'42" E.	09-Nov-22	14.24
		Piezometer No MIP 10; Village Dahaldera; Inside the Premises of UP School. Latitude 21 ° 46 '51" N Longitude 83 ° 48'47" E	09-Nov-22	18.36
		Piezometer No MIP 09; Village Junion; Inside the Premises of State Govt. Horticulture InstituteLatitude 21°45'49" N Longitude 83°47'42" E.	24-Jan-23	7.12
		Piezometer No MIP 10; Village Dahaldera; Inside the Premises of UP School. Latitude 21 ° 46 '51" N Longitude 83 ° 48'47" E	24-Jan-23	10.94
Lakhanpur	Lilari OCP	Piezometer No MIP 06; Infront of Lilari Mines Project Office. Latitude 21.77826 N Longitude 85.8580 E	24-May-22	34

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		Piezometer No MIP 06; Infront of Lilari Mines Project Office. Latitude 21.77826 N Longitude 85.8580 E	19-Aug-22	21.45
		Piezometer No MIP 06; Infront of Lilari Mines Project Office. Latitude 21.77826 N Longitude 85.8580 E	09-Nov-22	42.66
		Piezometer No MIP 06; Infront of Lilari Mines Project Office. Latitude 21.77826 N Longitude 85.8580 E	24-Jan-23	5.5
Lakhanpur	Belpahar	Piezometer No MIP 07; Infront of DAV school Bandbahal, Inside colony substation Latitude 21.01800 N Longitude 85.13027 E	24-May-22	5.5
		Piezometer No MIP 08; Village Kusraloi, Inside the Premises of Prathamik Vidyalaya Latitude 21.01800 N Longitude 85.13027 E	24-May-22	8.1
		Piezometer No MIP 07; Infront of DAV school Bandbahal, Inside colony substation Latitude 21.01800 N Longitude 85.13027 E	19-Aug-22	9.82
		Piezometer No MIP 08; Village Kusraloi, Inside the Premises of Prathamik Vidyalaya Latitude 21.01800 N Longitude 85.13027 E	19-Aug-22	11.19
		Piezometer No MIP 08; Village Kusraloi, Inside the Premises of Prathamik Vidyalaya Latitude 21.01800 N Longitude 85.13027 E	09-Nov-22	23.47
		Piezometer No MIP 07; Infront of DAV school Bandbahal, Inside colony substation Latitude 21.01800 N Longitude 85.13027 E	09-Nov-22	18.24
		Piezometer No MIP 08; Village Kusraloi, Inside the Premises of Prathamik Vidyalaya Latitude 21.01800 N Longitude 85.13027 E	24-Jan-23	3.6
		Piezometer No MIP 07; Infront of DAV school Bandbahal, Inside colony substation Latitude 21.01800 N Longitude 85.13027 E	24-Jan-23	8.87
Mahalaxmi	Basundhara (W) OCP	Piezometer No MIP 16; Village Kulhaparha (new basti) on the road from Sardega to Gopalpur Latitude 22 °3'25" N Longitude 83 ° 42'36" E	25-May-22	24.8
		Piezometer No MIP 17; Village Gopalpur; CMPDI Exploration Camp. Latitude 22° 3' 15"N Longitude 83 ° 42'17" E	25-May-22	13
		Piezometer No MIP 13; Village Tumlia; Inside the Campus of Manikeswari College.	25-May-22	Casing folded depth could not be measured.
		Piezometer No MIP 15; Back Side of Sardega Primary School. Latitude 22 °4'8" N Longitude 83°43'19" E	25-May-22	Pump fitted depth could not be measured.
		Piezometer No MIP 15; Back Side of Sardega Primary School. Latitude 22 °4'8" N Longitude 83°43'19" E	20-Aug-22	Pump fitted depth could not be measured.
		Piezometer No MIP 16; Village Kulhaparha (new basti) on the road from Sardega to Gopalpur Latitude 22 °3'25" N Longitude 83 ° 42'36" E	20-Aug-22	21.27
Mahalaxmi	Basundhara	Piezometer No MIP 13; Village Tumlia; Inside the Campus of Manikeswari College.	20-Aug-22	Casing folded depth could not be measured.

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Basundhara	Kulda OCP	Piezometer No MIP 17; Village Gopalpur; CMPDI Exploration Camp. Latitude 22° 3' 15"N Longitude 83 ° 42'17" E	20-Aug-22	7.8
		Piezometer No MIP 17; Village Gopalpur; CMPDI Exploration Camp. Latitude 22° 3' 15"N Longitude 83 ° 42'17" E	07-Nov-22	22.83
		Piezometer No MIP 16; Village Kulhparha (new basti) on the road from Sardega to Gopalpur Latitude 22 °3'25" N Longitude 83 ° 42'36" E	07-Nov-22	58.73
		Piezometer No MIP 15; Back Side of Sardega Primary School.Latitude 22 °4'8" N Longitude 83°43'19" E	07-Nov-22	Pump fitted depth could not be measured.
		Piezometer No MIP 13; Village Tumlia; Inside the Campus of Manikeswari College.	08-Nov-22	Casing folded depth could not be measured.
		Piezometer No MIP 13; Village Tumlia; Inside the Campus of Manikeswari College.	25-Jan-23	Pump fitted depth could not be measured.
		Piezometer No MIP 16; Village Kulhparha (new basti) on the road from Sardega to Gopalpur Latitude 22 °3'25" N Longitude 83 ° 42'36" E	25-Jan-23	6.24
		Piezometer No MIP 15; Back Side of Sardega Primary School.Latitude 22 °4'8" N Longitude 83°43'19" E	25-Jan-23	Pump fitted depth could not be measured.
		Piezometer No MIP 17; Village Gopalpur; CMPDI Exploration Camp. Latitude 22° 3' 15"N Longitude 83 ° 42'17" E	25-Jan-23	4.17
	Kulda OCP	Piezometer No MIP 01; Village Garjanbahal (Village School Campus)Latitude 22 °0'41" N Longitude 83 ° 45'52" E	25-May-22	37
		Piezometer No MIP 01; Village Garjanbahal (Village School Campus)Latitude 22 °0'41" N Longitude 83 ° 45'52" E	20-Aug-22	31.17
		Piezometer No MIP 01; Village Garjanbahal (Village School Campus)Latitude 22 °0'41" N Longitude 83 ° 45'52" E	07-Nov-22	28.49
		Piezometer No MIP 01; Village Garjanbahal (Village School Campus)Latitude 22 °0'41" N Longitude 83 ° 45'52" E	25-Jan-23	29.17
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School. Latitude 22.013755 N Longitude 83.745114 E	24-May-22	Pump fitted, Depth could not be measured
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School. Latitude 22.013755 N Longitude 83.745114 E	08-Aug-22	
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School. Latitude 22.013755 N Longitude 83.745114 E	07-Nov-22	
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School. Latitude 22.013755 N Longitude 83.745114 E	25-Jan-23	
		Piezometer No MIP 12; Village Balinga; MCL Office. Latitude 22 ° 1'59 " N Longitude 83°45'15" E	25-May-22	2.95
		Piezometer No MIP 12; Village Balinga; MCL Office. Latitude 22 ° 1'59 " N Longitude 83°45'15" E	20-Aug-22	3.7
		Piezometer No MIP 12; Village Balinga; MCL Office. Latitude 22 ° 1'59 " N Longitude 83°45'15" E	12-Nov-22	14.57
		Piezometer No MIP 12; Village Balinga; MCL Office. Latitude 22 ° 1'59 " N Longitude 83°45'15" E	25-Jan-23	4.37

		Piezometer No MIP 14; Village Kulda; Primary School Campus. Latitude 22 ° 1'55" N Longitude 83°43'47" E	25-May-22	52
		Piezometer No MIP 14; Village Kulda; Primary School Campus. Latitude 22 ° 1'55" N Longitude 83°43'47" E	20-Aug-22	49.64
		Piezometer No MIP 14; Village Kulda; Primary School Campus. Latitude 22 ° 1'55" N Longitude 83°43'47" E	07-Nov-22	69.34
		Piezometer No MIP 14; Village Kulda; Primary School Campus. Latitude 22 ° 1'55" N Longitude 83°43'47" E	25-Jan-23	64.37
Basundhara	Garjanbahal OCP	Piezometer No MIP 01; Village Garjanbahal (Village School Campus)(Reported only) Latitude 22 °0'41" N Longitude 83 ° 45'52" E	25-May-22	37
		Piezometer No MIP 01; Village Garjanbahal (Village School Campus)(Reported only) Latitude 22 °0'41" N Longitude 83 ° 45'52" E	20-Aug-22	31.17
		Piezometer No MIP 01; Village Garjanbahal (Village School Campus)(Reported only) Latitude 22 °0'41" N Longitude 83 ° 45'52" E	07-Nov-22	28.49
		Piezometer No MIP 01; Village Garjanbahal (Village School Campus)(Reported only) Latitude 22 °0'41" N Longitude 83 ° 45'52" E	25-Jan-23	29.17
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School.(Reported only) Latitude 22.013755 N Longitude 83.745114 E	25-May-22	Pump fitted, Depth could not be measured
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School.(Reported only) Latitude 22.013755 N Longitude 83.745114 E	20-Aug-22	
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School.(Reported only) Latitude 22.013755 N Longitude 83.745114 E	07-Nov-22	
		Piezometer No MIP 11; Village Karlikachar; Infront of Primary School.(Reported only) Latitude 22.013755 N Longitude 83.745114 E	25-Jan-23	
Orinet	Orient Mine No. 1 & 2	Piezometer No MIP 03; Beside Ib Valley GM House. Latitude 21.85446 N Longitude 83.926961 E	24-May-22	8.81
		Piezometer No MIP 03; Beside Ib Valley GM House. Latitude 21.85446 N Longitude 83.926961 E	18-Aug-22	6.41
		Piezometer No MIP 03; Beside Ib Valley GM House. Latitude 21.85446 N Longitude 83.926961 E	08-Nov-22	13.74
		Piezometer No MIP 03; Beside Ib Valley GM House. Latitude 21.85446 N Longitude 83.926961 E	23-Jan-23	5.38
	Orient Mine No. 3	Piezometer No MIP 05; Village Chauliberna; Inside Nursing high School Campus Latitude 21 °49'4" N Longitude 83°52'43"E	24-May-22	35.94
		Piezometer No MIP 05; Village Chauliberna; Inside Nursing high School Campus Latitude 21 °49'4" N Longitude 83°52'43"E	18-Aug-22	29.66
		Piezometer No MIP 05; Village Chauliberna; Inside Nursing high School Campus Latitude 21 °49'4" N Longitude 83°52'43"E	08-Nov-22	28.56
		Piezometer No MIP 05; Village Chauliberna; Inside Nursing high School Campus Latitude 21 °49'4" N Longitude 83°52'43"E	23-Jan-23	18.31

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JOB NO.750001

HBI	Piezometer No MIP 05; Village Chauliberna; Inside Nursing High School Campus (Reported only) Latitude21 °49'4" N Longitude 83°52'43"E	24-May-22	35.94
	Piezometer No MIP 05; Village Chauliberna; Inside Nursing High School Campus (Reported only) Latitude21 °49'4" N Longitude 83°52'43"E	18-Aug-22	29.66
	Piezometer No MIP 05; Village Chauliberna; Inside Nursing High School Campus (Reported only) Latitude21 °49'4" N Longitude 83°52'43"E	08-Nov-22	28.56
	Piezometer No MIP 05; Village Chauliberna; Inside Nursing High School Campus (Reported only) Latitude21 °49'4" N Longitude 83°52'43"E	23-Jan-23	18.31



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9.2.5: SURFACE WATER ANALYTICAL RESULTS

Table: 413

Area: Ib valley

Project: Samaleswari OCP

Project/OCP	Samaleswari OCP		
NAME OF STATIONS	Pandren Nallah Near Global Washery	Pandren Nallah near Global Washery	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of Sampling	21-Jul-22	23-Jan-23	
pH	7.62	7.26	6.5-8.5
Dissolved Oxygen(mg/L)	5.6	6.3	4
BOD (3 days 27oc(mg/L)	<2	<2	3
Color (Hazen unit)	1	1	300
Total dissolved solids (mg/L)	212	106	1500
TSS(mg/L)	62	34	-
Total Hardness(mg/L)	133	48	-
Copper(mg/L)	<0.03	0.048	1.5
Iron(mg/L)	<0.1	<0.1	50
Chlorides(mg/L)	19.28	11.85	600
Sulphate(mg/L)	79.80	12.28	400
Nitrate(mg/L)	2.34	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.052	15
Chromium(as Cr6)(mg/L)	-	-	0.05
Oil & Grease	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.005	-
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	1.8	12	-

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Table:414
Area: Ib valley
Project: Samaleswari OCP

Project/OCP			
NAME OF STATIONS	Pandren Nallah Before Confluence Point With Lilari Nallah	Pandren Nallah Before Confluence Point with Lilari Nallah	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of Sampling	21-Jul-22	23-Jan-23	
pH	7.66	7.17	6.5-8.5
Dissolved Oxygen(mg/L)	5.9	6.6	4
BOD (3 days 27oc(mg/L)	<2	<2	3
Color (Hazen unit)	1	2	300
Total dissolved solids (mg/L)	222	102	1500
TSS(mg/L)	68	28	-
Total Hardness(mg/L)	112	44	-
Copper(mg/L)	<0.03	0.045	1.5
Iron(mg/L)	<0.1	<0.1	50
Chlorides(mg/L)	15.42	9.87	600
Sulphate(mg/L)	45.15	13.64	400
Nitrate(mg/L)	2.37	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.063	15
Chromium(as Cr6)(mg/L)	-	-	0.05
Oil & Grease	<4.0	<0.05	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	-
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	1.8	13	-

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Table:415
Area: Ib valley
Project: Samaleswari OCP

Project/OCP	Samaleswari OCP		
NAME OF STATIONS	Lajkura Pond Water	Lajkura Pond Water	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of Sampling	21-Jul-22	23-Jan-23	
pH	5.76	7.87	6.5-8.5
Dissolved Oxygen(mg/L)	6.3	5.9	4
BOD (3 days 27oc(mg/L)	<2	<2	3
Color (Hazen unit)	3	4	300
Total dissolved solids (mg/L)	796	976	1500
TSS(mg/L)	54	48	-
Total Hardness(mg/L)	582	266	-
Copper(mg/L)	<0.03	0.042	1.5
Iron(mg/L)	<0.1	0.378	50
Chlorides(mg/L)	46.27	39.5	600
Sulphate(mg/L)	196	125.96	400
Nitrate(mg/L)	8	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	1.023	15
Chromium(as Cr6)(mg/L)		-	0.05
Oil & Grease	<4.0	<0.05	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	-
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	4	6.8	-

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JOB NO.750001

Table: 416
Area: Ib valley
Project: Lajkura OCP

Project/OCP	Lajkura OCP		
NAME OF STATIONS	U/S of Baghmara Nala at Discharge Point	U/S of Baghmara Nala at Discharge Point	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of Sampling	21-Jul-22	23-Jan-23	
pH	7.76	7.41	6.5-8.5
Dissolved Oxygen(mg/L)	6.8	6.7	4
BOD (3 days 27oc(mg/L)	<2	<2	3
Color (Hazen unit)	1	1	300
Total dissolved solids (mg/L)	92	128	1500
TSS(mg/L)	38	26	-
Total Hardness(mg/L)	40	60	-
Copper(mg/L)	<0.03	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	50
Chlorides(mg/L)	34.70	27.65	600
Sulphate(mg/L)	17.52	15.17	400
Nitrate(mg/L)	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.207	15
Chromium(as Cr6)(mg/L)	-	-	0.05
Oil & Grease	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.05	-
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	1.8	9.2	-

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JOB NO.750001

Table:417

Area: Ib valley**Project:** Lajkura OCP

Project/OCP	Lajkura OCP		
NAME OF STATIONS	D/S of Baghmara Nala at Discharge Point	D/S of Baghmara Nala at Discharge Point	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of Sampling	21-Jul-22	23-Jan-23	
pH	7.82	7.35	6.5-8.5
Dissolved Oxygen(mg/L)	6.4	6.2	4
BOD (3 days 27oc)(mg/L)	<2	<2	3
Color (Hazen unit)	2	2	300
Total dissolved solids (mg/L)	110	124	1500
TSS(mg/L)	44	48	-
Total Hardness(mg/L)	72	64	-
Copper(mg/L)	<0.03	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	50
Chlorides(mg/L)	9.64	25.67	600
Sulphate(mg/L)	17.72	16.36	400
Nitrate(mg/L)	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.168	15
Chromium(as Cr6)(mg/L)	-	-	0.05
Oil & Grease	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.05	-
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	4	6.8	

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JOB NO.750001

Table: 418

Area: Lakhanpur**Project:** Lakhanpur

Project/OCP	Lakhanpur			
NAME OF STATIONS	Pulijhor Stream Near Tingismal Village as u/s for Lakhanpur OCP			
Date of sampling	25-May-22	22-Jul-22	26-Oct-22	24-Jan-23
pH	7.08	7.74	7.49	7.26
Dissolved Oxygen(mg/L)	6.8	7.0	6.8	6.8
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2
Color (Hazen unit)	3	1	3	1
Total dissolved solids (mg/L)	678	120	52	58
TSS(mg/L)	48	40	38	42
Total Hardness(mg/L)	540	68	36.4	20
Copper(mg/L)	<0.03	<0.03	<0.03	<0.04
Iron(mg/L)	<0.1	<0.1	0.102	0.195
Chlorides(mg/L)	17.35	13.50	11.74	11.85
Sulphate(mg/L)	183.6	30.2	4.74	7.02
Nitrate(mg/L)	10.19	<2.0	<2	<2.0
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005
Zinc(mg/L)	0.08	<0.04	<0.04	0.16
Chromium(as Cr6)(mg/L)	<0.05			
Oil & Grease	<4.0	<4.0	<4.0	<4.0
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001
MPN (Index/100 ml)	6.8	4	6.8	6.8

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JOB NO.750001

Table: 419

Area: Lakhanpur
Project: Lakhanpur

Project/OCP	Lakhanpur				
NAME OF STATIONS	Lilari Nallah Near Kudaloi Village as u/s of Lakhanpur OCP				IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	25-May-22	22-Jul-22	26-Oct-22	24-Jan-23	
pH	7.45	7.72	7.52	7.40	6.5-8.5
Dissolved Oxygen(mg/L)	6.3	6.6	6.9	6.6	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	2	1	3	1	300
Total dissolved solids (mg/L)	76	118	66	48	1500
TSS(mg/L)	34	46	40	24	
Total Hardness(mg/L)	44.0	60.0	40.5	20	
Copper(mg/L)	<0.03	<0.03	<0.03	0.037	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	13.50	15.40	13.7	9.87	600
Sulphate(mg/L)	11.13	32.67	6.15	4.36	400
Nitrate(mg/L)	0.88	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	<0.04	15
Chromium(as Cr6)(mg/L)				<4.0	0.05
Oil & Grease	<0.05	<4.0	<0.005	<0.005	0.1
Selenium(mg/L)	<4.0	<0.005	<0.05	<0.05	0.05
Total Chromium (mg/L)	<0.005	<0.01	<0.001	<0.001	—
Phenolics(mg/L)	<0.01	<0.001	9.1	12	0.005
MPN (Index/100 ml)	<0.001	9.1	<4.0		

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JOB NO.750001

Table: 420

Area: Lakhanpur
Project: Lakhanpur

Project/OCP	Lakhanpur				
NAME OF STATIONS	Lilari Nallah Near Project Office Lilari Bridge Village as d/s of Lakhanpur OCP				IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	25-May-22	22-Jul-22	26-Oct-22	24-Jan-23	
pH	7.51	7.78	7.55	7.36	6.5-8.5
Dissolved Oxygen(mg/L)	6.1	6.4	6.5	6.4	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	3	2	1	1	300
Total dissolved solids (mg/L)	74	122	64	46	1500
TSS(mg/L)	40	54	48	28	
Total Hardness(mg/L)	36	52	40.5	20	
Copper(mg/L)	<0.03	<0.03	<0.03	0.044	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	11.57	13.5	13.7	9.87	600
Sulphate(mg/L)	20.23	20.5	6.15	3.64	400
Nitrate(mg/L)	1.2	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	<0.04	15
Oil & Grease	<0.05		<4.0	<4.0	0.1
Selenium(mg/L)	<4.0	<4.0	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.005	<0.005	<0.05	<0.05	-
Phenolics(mg/L)	<0.01	<0.01	<0.001	<0.001	0.005
MPN (Index/100 ml)	<0.001	<0.001	10	10	

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Table: 421

Area: Lakhanpur
Project: Lakhanpur

Project/OCP	Lakhanpur				
NAME OF STATIONS	Karlajori Pond				IS:2296-1982 Tolerance for inland Surface water (Class C
Date of Sampling	25-May-22	22-Jul-22	26-Oct-22	24-Jan-23	
pH	7.58	7.45	6.92	7.57	6.5-8.5
Dissolved Oxygen(mg/L)	6.0	6.5	5.5	6.8	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	2	1	2	2	300
Total dissolved solids (mg/L)	350	60	40	62	1500
TSS(mg/L)	52	38	36	34	
Total Hardness(mg/L)	93	36	24.3	32	
Copper(mg/L)	<0.03	<0.03	<0.03	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	71.34	9.64	9.78	13.82	600
Sulphate(mg/L)	2.28	7.62	4.10	7.36	400
Nitrate(mg/L)	2.55	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	0.04	<0.04	<0.04	0.167	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	–
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	11	6.8	11	6.1	

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Table: 422

Area: Lakhanpur**Project:** Belpahar

Project/OCP	Belpahar				
NAME OF STATIONS	Adhapada village				IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	25-May-22	22-Jul-22	26-Oct-22	24-Jan-23	
pH	7.62	7.48	6.97	7.53	6.5-8.5
Dissolved Oxygen(mg/L)	6.4	6.9	6.0	6.9	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	2	1	3	1	300
Total dissolved solids (mg/L)	86	72	42	56	1500
TSS(mg/L)	44	36	34	30	
Total Hardness(mg/L)	36	20	24.3	32	
Copper(mg/L)	<0.03	<0.03	<0.03	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	0.111	<0.1	50
Chlorides(mg/L)	19.28	17.35	11.74	13.82	600
Sulphate(mg/L)	7.70	7.23	3.71	8.31	400
Nitrate(mg/L)	0.48	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	<0.04	15
Chromium(as Cr6)(mg/L)	<0.05		<4.0	<4.0	0.05
Oil & Grease	<4.0	<4.0	<0.005	<0.005	0.1
Selenium(mg/L)	<0.005	<0.005	<0.05	<0.05	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.001	<0.001	—
Phenolics(mg/L)	<0.001	<0.001	13	5.6	0.005
MPN (Index/100 ml)	13	9.8	6.97	<4.0	

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Table: 423

Area: Basundhara OCP**Project:** Basundhara OCP

Project/OCP	Basundhara OCP				
NAME OF STATIONS	Basundhara River u/s Point Near Tilkipara	Basundhara River d/s Point Near Tilkipara	Basundhara River u/s point near Tilkipara	Basundhara River d/s point near Tilkipara	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	23-Jul-22	23-Jul-22	24-Jan-23	24-Jan-23	
pH	7.59	7.62	7.61	7.58	6.5-8.5
Dissolved Oxygen(mg/L)	6.8	6.6	6.7	6.2	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	1	1	2	2	300
Total dissolved solids (mg/L)	88	92	120	116	1500
TSS(mg/L)	48	34	42	46	
Total Hardness(mg/L)	28	28	60	68	
Copper(mg/L)	<0.03	<0.03	<0.04	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	7.71	9.64	21.72	21.72	600
Sulphate(mg/L)	26.63	23.76	19.34	15.73	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	0.075	1.668	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	6.8	4	11	13	

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Table: 424

Area: Basundhara OCP**Project:** Kulda OCP

Project/OCP	Kulda OCP				
NAME OF STATIONS	Basundhara River near Bankibahal bridge as u/s water at Duduka village				IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	26-May-22	23-Jul-22	27-Oct-22	25-Jan-23	
pH	7.36	7.65	7.64	7.33	6.5-8.5
Dissolved Oxygen(mg/L)	6.6	7.0	6.0	6.4	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	2	1	2	2	300
Total dissolved solids (mg/L)	58	94	54	92	1500
TSS(mg/L)	42	38	48	30	-
Total Hardness(mg/L)	32	56	36.4	48	-
Copper(mg/L)	<0.03	<0.03	0.05	<0.04	1.5
Iron(mg/L)	<0.1	0.18	<0.1	<0.1	50
Chlorides(mg/L)	9.64	9.64	9.78	11.85	600
Sulphate(mg/L)	6.14	27.72	8.33	11.79	400
Nitrate(mg/L)	0.94	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	0.056	15
Chromium(as Cr6)(mg/L)	<0.05		<4.0	<4.0	0.05
Oil & Grease	<4.0	<4.0	<0.005	<0.005	0.1
Selenium(mg/L)	<0.005	<0.005	<0.05	<0.05	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.001	<0.001	-
Phenolics(mg/L)	<0.001	<0.001	8.2	<1.8	0.005
MPN (Index/100 ml)	9.2	4			-

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Table: 425

Area: Basundhara OCP**Project:** Kulda OCP

Project/OCP	Kulda OCP				IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Basundhara River near Barpali Village as d/s water				
Date of sampling	26-May-22	23-Jul-22	27-Oct-22	25-Jan-23	
pH	7.41	7.69	7.48	7.39	6.5-8.5
Dissolved Oxygen(mg/L)	6.2	6.5	5.4	5.8	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	3	2	2	3	300
Total dissolved solids (mg/L)	60	98	58	88	1500
TSS(mg/L)	46	44	40	26	-
Total Hardness(mg/L)	32	56	36.4	44	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.04	1.5
Iron(mg/L)	<0.1	0.14	<0.1	<0.1	50
Chlorides(mg/L)	11.57	11.56	9.78	11.85	600
Sulphate(mg/L)	12.36	25.94	9.61	12.35	400
Nitrate(mg/L)	0.52	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	0.153	15
Chromium(as Cr6)(mg/L)	<0.05		<4.0	<4.0	0.05
Oil & Grease	<4.0	<4.0	<0.005	<0.005	0.1
Selenium(mg/L)	<0.005	<0.005	<0.05	<0.05	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.001	<0.001	—
Phenolics(mg/L)	<0.001	<0.001	6.8	6.1	0.005
MPN (Index/100 ml)	6.8	4			—

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Table: 426

Area: Basundhara OCP**Project:** Kulda OCP

Project/OCP	Chattanjhor near Tumulia village as u/s water				IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Kulda OCP				
Date of sampling	26-May-22	23-Jul-22	27-Oct-22	25-Jan-23	
pH	7.39	7.78	7.44	7.42	6.5-8.5
Dissolved Oxygen(mg/L)	6.7	6.7	5.6	7.0	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	2	1	1	3	300
Total dissolved solids (mg/L)	60	88	56	68	1500
TSS(mg/L)	48	52	46	28	-
Total Hardness(mg/L)	32	28	24.3	24	-
Copper(mg/L)	<0.03	<0.03	<0.03	0.048	1.5
Iron(mg/L)	<0.1	<0.1	0.108	<0.1	50
Chlorides(mg/L)	9.64	13.5	11.74	11.85	600
Sulphate(mg/L)	5.85	12.67	7.94	8.39	400
Nitrate(mg/L)	0.55	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	<0.04	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	-
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	8.3	6.8	8.1	12	-

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Table: 427

Area: Basundhara OCP**Project:** Kulda OCP

Project/OCP	Kulda OCP				IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Chattanjhor near Siarmal chowk as d/s water				
Date of sampling	26-May-22	23-Jul-22	27-Oct-22	25-Jan-23	
pH	7.24	7.64	7.27	7.47	6.5-8.5
Dissolved Oxygen(mg/L)	6.2	6.5	5.3	6.6	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	1	3	1	2	300
Total dissolved solids (mg/L)	62	94	58	72	1500
TSS(mg/L)	52	58	36	34	-
Total Hardness(mg/L)	32	36	32.4	32	-
Copper(mg/L)	<0.03	<0.03	<0.03	0.031	1.5
Iron(mg/L)	<0.1	<0.1	0.108	<0.1	50
Chlorides(mg/L)	9.64	9.64	7.83	13.82	600
Sulphate(mg/L)	9.41	23.07	7.69	9.45	400
Nitrate(mg/L)	0.51	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	0.152	15
Chromium(as Cr6)(mg/L)	<0.05		<4.0	<4.0	0.05
Oil & Grease	<4.0	<4.0	<0.005	<0.005	0.1
Selenium(mg/L)	<0.005	<0.005	<0.05	<0.05	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.001	<0.001	-
Phenolics(mg/L)	<0.001	<0.001	10	14	0.005
MPN (Index/100 ml)	10	8.3			-

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Table: 428

Area: Basundhara OCP**Project:** Kulda OCP

Project/OCP	Kulda OCP				IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Kund pond water				
Date of sampling	26-May-22	23-Jul-22	27-Oct-22	25-Jan-23	
pH	7.30	7.42	7.24	7.53	6.5-8.5
Dissolved Oxygen(mg/L)	5.8	6.9	5.9	6.3	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	2	2	2	1	300
Total dissolved solids (mg/L)	64	52	56	48	1500
TSS(mg/L)	36	62	32	24	-
Total Hardness(mg/L)	36	20	28.3	20	-
Copper(mg/L)	<0.03	<0.03	<0.03	0.043	1.5
Iron(mg/L)	<0.1	<0.1	0.139	<0.1	50
Chlorides(mg/L)	9.64	9.64	9.78	9.87	600
Sulphate(mg/L)	5.85	7.23	10.12	5.17	400
Nitrate(mg/L)	0.57	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	0.217	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	-
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	4	1.8	6	11	-

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Table: 429**Area: Basundhara OCP****Project: Garjanbahal**

Project/OCP	Garjanbahal				
NAME OF STATIONS	Basundhara River near Bandhpalli village as d/s water				IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	26-May-22	23-Jul-22	27-Oct-22	25-Jan-23	
pH	7.27	7.69	7.48	7.39	6.5-8.5
Dissolved Oxygen(mg/L)	6.5	6.6	5.4	5.8	4
BOD (3 days 27oc(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	1	1	2	3	300
Total dissolved solids (mg/L)	60	96	58	88	1500
TSS(mg/L)	62	54	40	26	
Total Hardness(mg/L)	32	48	36.4	44	
Copper(mg/L)	<0.03	<0.03	<0.03	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	11.57	11.56	9.78	11.85	600
Sulphate(mg/L)	5.42	25.54	9.61	12.35	400
Nitrate(mg/L)	0.63	<2.0	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	0.153	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	6.8	4	6.8	6.1	—

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Table: 430

Area: Orient**Project:** Orient Mine No. 1 & 2

Project/OCP	Orient Mine No. 1 & 2				
NAME OF STATIONS	U/S of Baghmara stream at Discharge Point	D/S of Baghmara stream at Discharge Point	U/S of Baghmara stream at Discharge Point	D/S of Baghmara stream at Discharge Point	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	27-May-22	25-May-22	25-Jan-23	25-Jan-23	
pH	6.91	6.95			6.5-8.5
Dissolved Oxygen(mg/L)	6.6	6.2			4
BOD (3 days 27oc(mg/L)	<2	<2			3
Color (Hazen unit)	2	3			300
Total dissolved solids (mg/L)	246	242			1500
TSS(mg/L)	56	60			
Total Hardness(mg/L)	28	28	40.5	40.5	
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	57.84	55.91	13.7	13.7	600
Sulphate(mg/L)	38.81	41.52	7.43	7.94	400
Nitrate(mg/L)	0.5	0.6	<2	<2	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	0.08	0.04	<0.04	<0.04	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	–
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	8.3	10	8.3	9.1	–

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Table: 431

Area: Orient**Project:** Orient Mine No. 3

Project/OCP	Orient Mine No. 3		
NAME OF STATIONS	Pond Water at Budhijam Village	Pond Water at Budhijam Village	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	21-Jul-22	23-Jan-23	
pH	7.90	7.64	6.5-8.5
Dissolved Oxygen(mg/L)	6.4	6.7	4
BOD (3 days 27oc(mg/L)	<2	<2	3
Color (Hazen unit)	1	3	300
Total dissolved solids (mg/L)	122	130	1500
TSS(mg/L)	70	30	
Total Hardness(mg/L)	92	79	
Copper(mg/L)	<0.03	0.042	1.5
Iron(mg/L)	0	<0.1	50
Chlorides(mg/L)	11.56	27.65	600
Sulphate(mg/L)	35.45	20.45	400
Nitrate(mg/L)	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.045	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.05	—
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	1.8	11	—

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Table: 432

Area: Orient

Project: HBI

Project/OCP	HBI		
NAME OF STATIONS	IB River Near Kutabaga Village at Bridge Point	IB River Near Kutabaga Village at Bridge Point	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	21-Jul-22	23-Jan-23	
pH	7.74	7.60	6.5-8.5
Dissolved Oxygen(mg/L)	6.2	6.9	4
BOD (3 days 27oc(mg/L)	<2	<2	3
Color (Hazen unit)	2	1	300
Total dissolved solids (mg/L)	114	134	1500
TSS(mg/L)	74	36	
Total Hardness(mg/L)	44	83	
Copper(mg/L)	<0.03	0.033	1.5
Iron(mg/L)	<0.1	<0.01	50
Chlorides(mg/L)	9.64	19.75	600
Sulphate(mg/L)	34.26	24.37	400
Nitrate(mg/L)	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.094	15
Chromium(as Cr6)(mg/L)	<0.05	<0.05	0.05
Oil & Grease	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.05	–
Phenolics(mg/L)	<0.001	<0.001	0.005
MPN (Index/100 ml)	1.8	13	–

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Table: 433

Area: Orient

Project: Orient Mine No. 4

Project/OCP	Orient Mine No. 4				
NAME OF STATIONS	IB River Near Charbhati Village as u/s Water for IB Valley Coalfield	IB River Bridge of NH200 at Gondghora Village as u/s of Orient Area	IB River Near Charbhati Village as u/s Water for IB Valley Coalfield	IB River Bridge of NH200 at Gondghora Village as u/s of Orient Area	IS:2296-1982 Tolerance for inland Surface water (Class C)
Date of sampling	21-Jul-22	21-Jul-22	23-Jan-23	23-Jan-23	
pH	7.59	7.61	7.47	7.51	6.5-8.5
Dissolved Oxygen(mg/L)	6.6	6.9	6.7	6.4	4
BOD (3 days 27oc)(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	1	1	1	2	300
Total dissolved solids (mg/L)	84	90	98	102	1500
TSS(mg/L)	76	80	28	32	
Total Hardness(mg/L)	52	56	56	56	
Copper(mg/L)	<0.03	<0.03	<0.04	<0.04	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	12	11.56	11.85	13.82	600
Sulphate(mg/L)	35.45	38.22	18.16	17.39	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	<0.04	0.098	15
Oil & Grease	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.05	<0.05	
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	1.8	4	10	9.3	

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SECTION 10: NOISE LEVEL MONITORING

To know the background ambient noise level at the project and surrounding environment, noise level were measured at almost all the ambient air monitoring stations for study.

The Day time & Night time average noise level data are given in tabular formats as well as in graphical form for easy interpretation.

Here, the day time means time from 06:00 am to 10:00 pm & night time means time from 10:00 pm to 06:00 am.



Figure 15. Noise Meter used for measurement

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10.1: NOISE LEVEL MONITORING RESULTS

Table:434

Area: Ib Valley Area

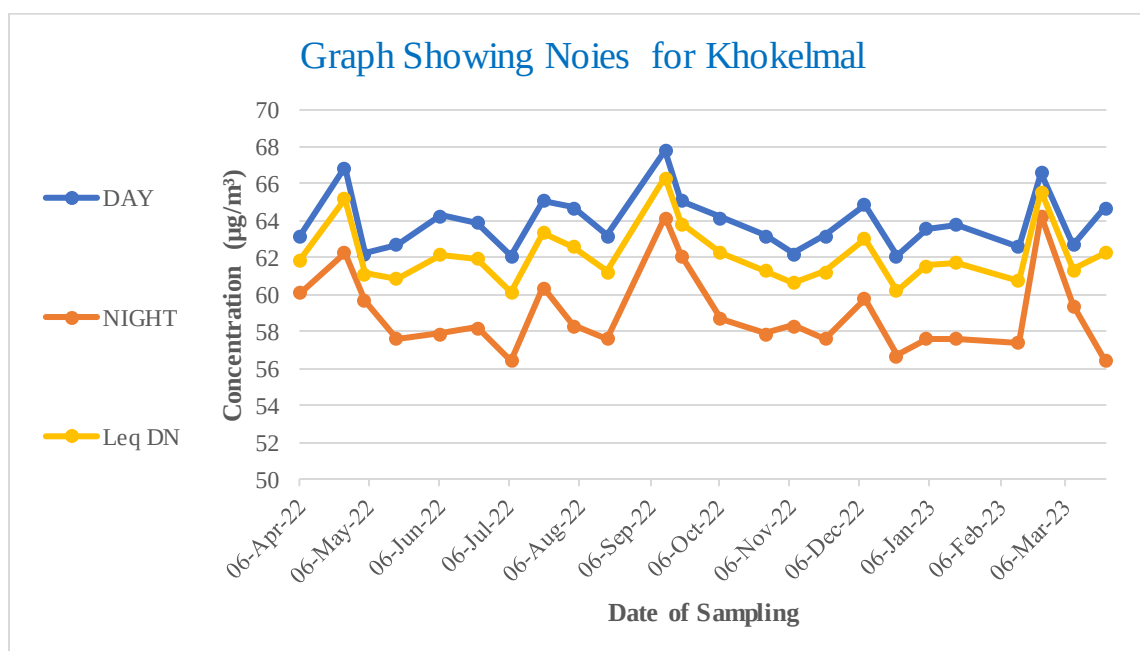
Project: Lajkura OCP

Monitoring Station: Khokelmal

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	63.2	60.1	61.9
25-Apr-22	66.9	62.3	65.2
04-May-22	62.2	59.7	61.1
18-May-22	62.7	57.6	60.9
06-Jun-22	64.3	57.9	62.2
22-Jun-22	63.9	58.2	61.9
07-Jul-22	62.1	56.4	60.1
21-Jul-22	65.1	60.4	63.4
03-Aug-22	64.7	58.3	62.6
18-Aug-22	63.2	57.6	61.2
12-Sep-22	67.8	64.2	66.4
19-Sep-22	65.1	62.1	63.9
06-Oct-22	64.2	58.7	62.3
26-Oct-22	63.2	57.9	61.3
07-Nov-22	62.2	58.3	60.7
21-Nov-22	63.2	57.6	61.2
08-Dec-22	64.9	59.8	63.1
22-Dec-22	62.1	56.7	60.2
04-Jan-23	63.6	57.6	61.6
17-Jan-23	63.8	57.6	61.7
13-Feb-23	62.6	57.4	60.7
23-Feb-23	66.6	64.3	65.6
09-Mar-23	62.7	59.4	61.4
23-Mar-23	64.7	56.4	62.3
Brief Statistic	DAY	NIGHT	Leq DN
Minimum	62.1	56.4	60.1
Maximum	67.8	64.3	66.4
Mean	64.0	59.0	62.2

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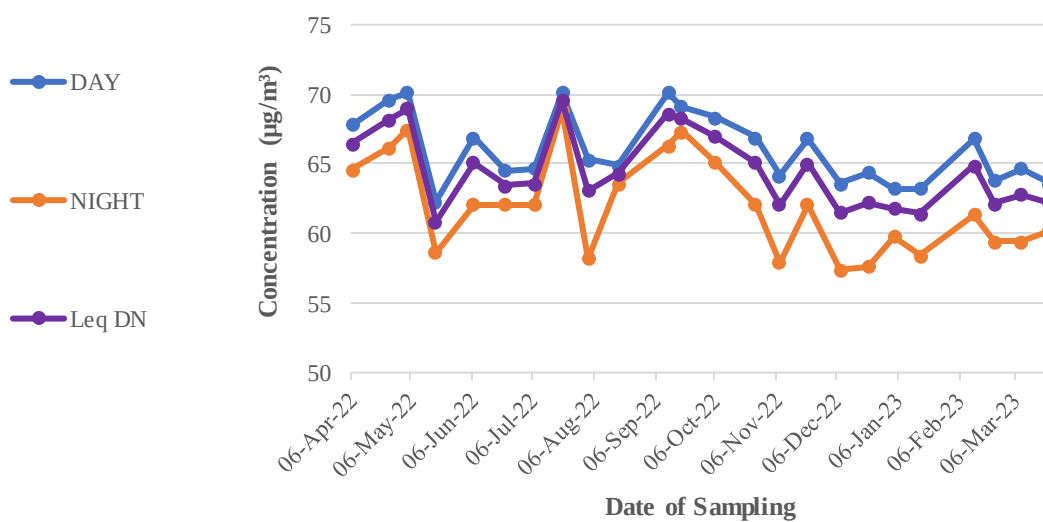
Table:435
Area: Ib Valley Area
Project: Lajkura OCP
Monitoring Station: Near Project Office

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	67.8	64.6	66.5
25-Apr-22	69.6	66.2	68.2
04-May-22	70.1	67.5	69.0
18-May-22	62.3	58.6	60.8
06-Jun-22	66.9	62.1	65.1
22-Jun-22	64.5	62.1	63.5
07-Jul-22	64.7	62.1	63.6
21-Jul-22	70.1	68.9	69.5
03-Aug-22	65.3	58.2	63.1
18-Aug-22	64.9	63.6	64.3
12-Sep-22	70.1	66.3	68.6
19-Sep-22	69.1	67.3	68.3
06-Oct-22	68.3	65.1	67.0
26-Oct-22	66.9	62.1	65.1
07-Nov-22	64.2	57.9	62.1
21-Nov-22	66.8	62.1	65.1
08-Dec-22	63.6	57.4	61.5
22-Dec-22	64.4	57.6	62.2
04-Jan-23	63.2	59.8	61.8
17-Jan-23	63.2	58.4	61.4
13-Feb-23	66.8	61.4	64.9
23-Feb-23	63.8	59.4	62.1
09-Mar-23	64.7	59.4	62.8
23-Mar-23	63.6	60.2	62.2
Brief Statistic	DAY	NIGHT	Leq DN
Minimum	62.3	57.4	60.8
Maximum	70.1	68.9	69.5
Mean	66.0	62.0	64.5

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Graph Showing Noies for Near Project office



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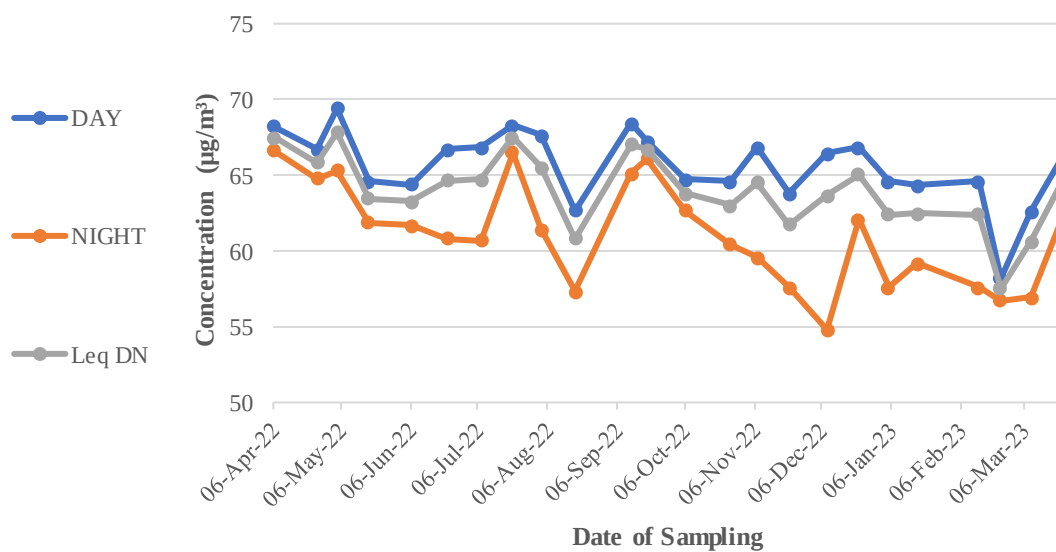
Table:436
Area: Ib Valley Area
Project: Lajkura OCP
Monitoring Station: Near South Coal Stock

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	68.2	66.6	67.5
25-Apr-22	66.7	64.8	65.9
04-May-22	69.4	65.3	67.8
18-May-22	64.6	61.9	63.5
06-Jun-22	64.4	61.7	63.3
22-Jun-22	66.7	60.8	64.7
07-Jul-22	66.8	60.7	64.7
21-Jul-22	68.3	66.5	67.5
03-Aug-22	67.6	61.4	65.5
18-Aug-22	62.7	57.3	60.8
12-Sep-22	68.4	65.1	67.1
19-Sep-22	67.2	66.1	66.7
06-Oct-22	64.7	62.7	63.8
26-Oct-22	64.6	60.4	63.0
07-Nov-22	66.8	59.6	64.5
21-Nov-22	63.8	57.6	61.7
08-Dec-22	66.4	54.8	63.7
22-Dec-22	66.8	62.1	65.1
04-Jan-23	64.6	57.6	62.4
17-Jan-23	64.3	59.2	62.5
13-Feb-23	64.6	57.6	62.4
23-Feb-23	58.2	56.7	57.5
09-Mar-23	62.6	56.9	60.6
23-Mar-23	66.3	62.4	64.8
Brief Statistic	DAY	NIGHT	Leq DN
Minimum	58.2	54.8	57.5
Maximum	69.4	66.6	67.8
Mean	65.6	61.1	64.0

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Graph Showing Noies for Near South Coal Stock



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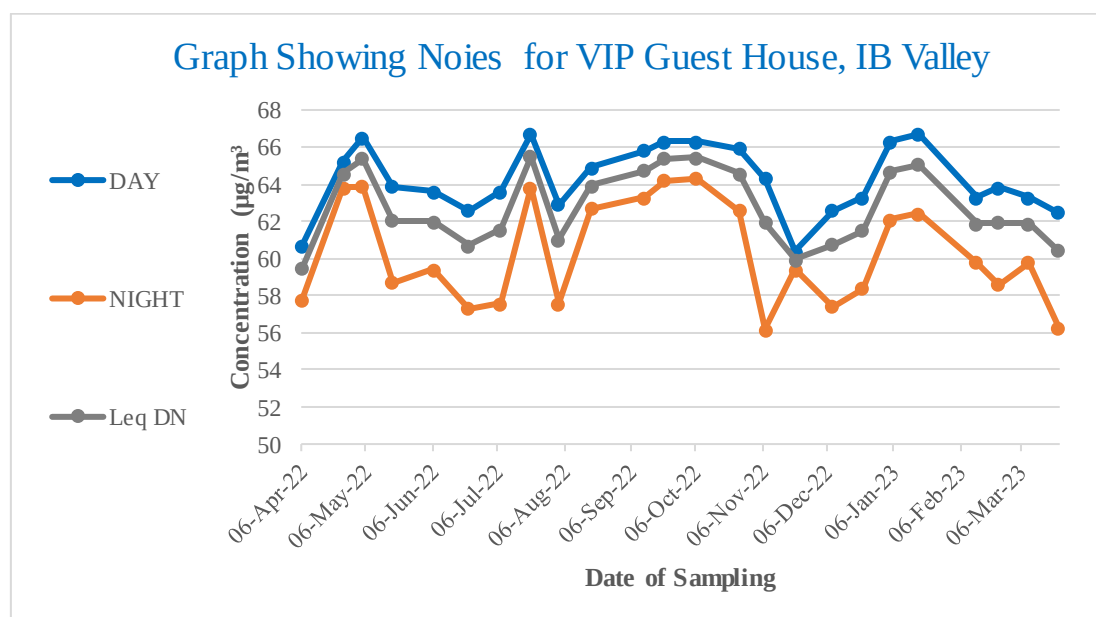
JOB NO.750001

Table:437
Area: Ib Valley Area
Project: Lajkura OCP
Monitoring Station: VIP Guest House, IB Valley

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	60.7	57.8	59.5
25-Apr-22	65.2	63.8	64.6
04-May-22	66.5	63.9	65.4
18-May-22	63.9	58.7	62.0
06-Jun-22	63.6	59.4	62.0
22-Jun-22	62.6	57.3	60.7
07-Jul-22	63.6	57.6	61.6
21-Jul-22	66.7	63.8	65.5
03-Aug-22	62.9	57.6	61.0
18-Aug-22	64.9	62.7	63.9
12-Sep-22	65.8	63.3	64.7
21-Sep-22	66.3	64.2	65.4
06-Oct-22	66.3	64.3	65.4
26-Oct-22	65.9	62.6	64.6
07-Nov-22	64.3	56.2	61.9
21-Nov-22	60.4	59.4	59.9
08-Dec-22	62.6	57.4	60.7
22-Dec-22	63.3	58.4	61.5
04-Jan-23	66.3	62.1	64.7
17-Jan-23	66.7	62.4	65.1
13-Feb-23	63.3	59.8	61.9
23-Feb-23	63.8	58.6	61.9
09-Mar-23	63.3	59.8	61.9
23-Mar-23	62.5	56.3	60.4
Brief Statistic	Day	Night	Leq DN
Minimum	60.4	56.2	59.5
Maximum	66.7	64.3	65.5
Mean	64.2	60.3	62.8

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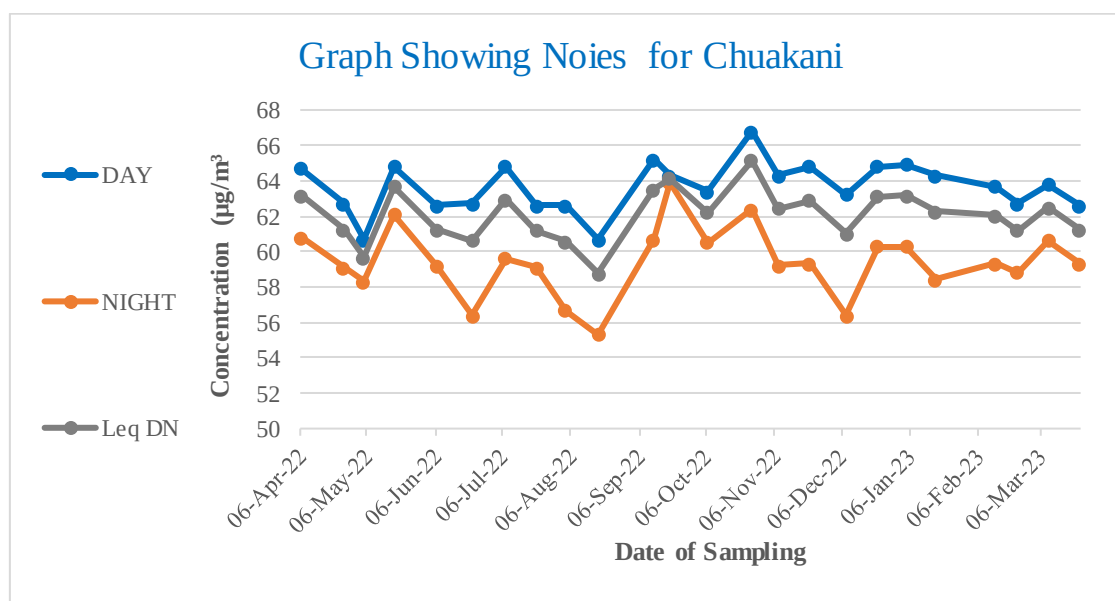
JOB NO.750001

Table:438
Area: Ib Valley Area
Project: Lajkura OCP
Monitoring Station: Chuakani

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	64.7	60.8	63.2
25-Apr-22	62.7	59.1	61.3
04-May-22	60.7	58.3	59.7
18-May-22	64.8	62.1	63.7
06-Jun-22	62.6	59.2	61.2
22-Jun-22	62.7	56.4	60.6
07-Jul-22	64.8	59.6	62.9
21-Jul-22	62.6	59.1	61.2
03-Aug-22	62.6	56.7	60.6
18-Aug-22	60.7	55.3	58.8
12-Sep-22	65.2	60.7	63.5
19-Sep-22	64.3	63.9	64.1
06-Oct-22	63.4	60.5	62.2
26-Oct-22	66.8	62.4	65.1
07-Nov-22	64.3	59.2	62.5
21-Nov-22	64.8	59.3	62.9
08-Dec-22	63.2	56.4	61.0
22-Dec-22	64.8	60.3	63.1
04-Jan-23	64.9	60.3	63.2
17-Jan-23	64.3	58.4	62.3
13-Feb-23	63.7	59.3	62.0
23-Feb-23	62.7	58.8	61.2
09-Mar-23	63.8	60.6	62.5
23-Mar-23	62.6	59.3	61.3
Brief Statistic	Day	Night	Leq DN
Minimum	60.7	55.3	58.8
Maximum	66.8	63.9	65.1
Mean	63.7	59.4	62.1

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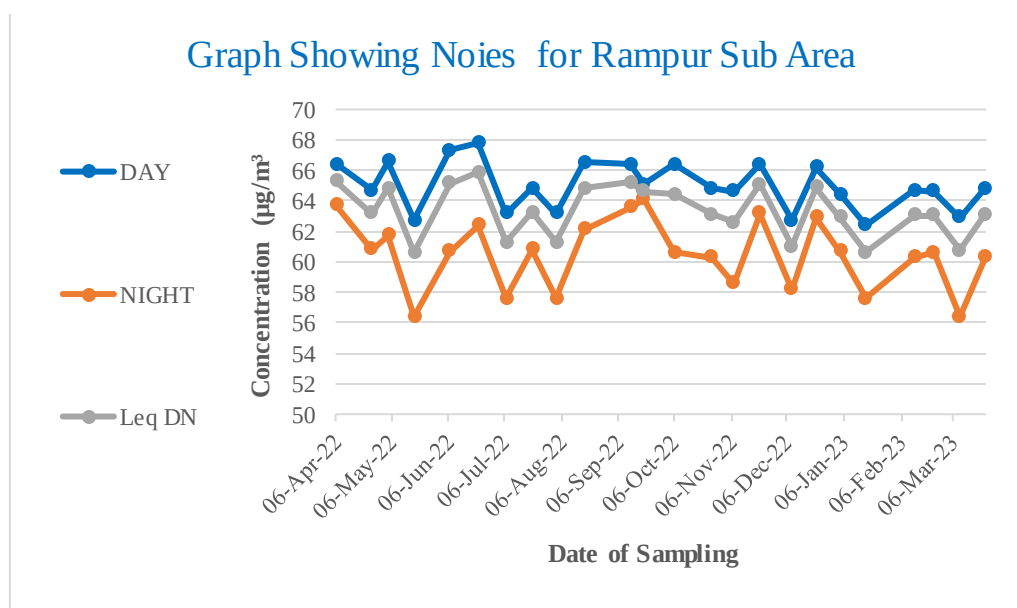
JOB NO.750001

Table:439
Area: Ib Valley Area
Project: Samaleswari OCP
Monitoring Station: Rampur Sub Area

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	66.4	63.7	65.3
25-Apr-22	64.7	60.8	63.2
04-May-22	66.6	61.7	64.8
18-May-22	62.7	56.4	60.6
06-Jun-22	67.3	60.7	65.1
22-Jun-22	67.8	62.4	65.9
07-Jul-22	63.2	57.6	61.2
21-Jul-22	64.8	60.8	63.2
03-Aug-22	63.2	57.6	61.2
18-Aug-22	66.5	62.1	64.8
12-Sep-22	66.4	63.6	65.2
19-Sep-22	65.1	64.1	64.6
06-Oct-22	66.4	60.6	64.4
26-Oct-22	64.8	60.3	63.1
07-Nov-22	64.6	58.6	62.6
21-Nov-22	66.4	63.2	65.1
08-Dec-22	62.7	58.2	61.0
22-Dec-22	66.2	62.9	64.9
04-Jan-23	64.4	60.7	62.9
17-Jan-23	62.4	57.6	60.6
13-Feb-23	64.7	60.3	63.0
23-Feb-23	64.6	60.6	63.0
09-Mar-23	62.9	56.4	60.8
23-Mar-23	64.8	60.3	63.1
Brief Statistic	Day	Night	Leq DN
Minimum	62.4	56.4	60.6
Maximum	67.8	64.1	65.9
Mean	65.0	60.5	63.3

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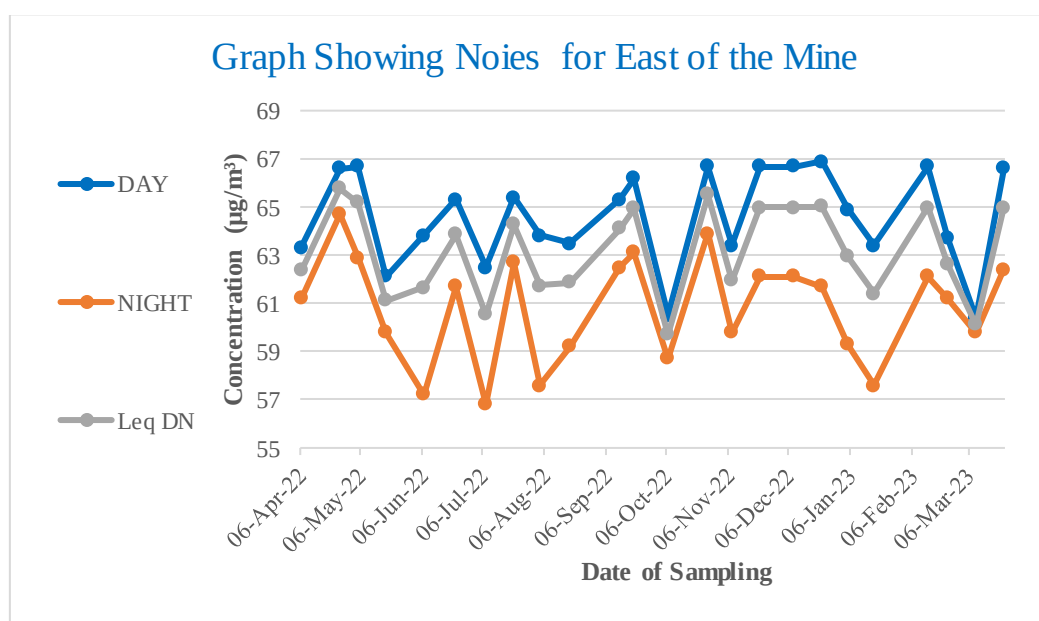
JOB NO.750001

Table: 440
Area: Ib Valley Area
Project: Samaleswari OCP
Monitoring Station: East of the Mine

DATE	DAY	NIGHT	Leq (dB)
06-Apr-22	63.3	61.2	62.4
25-Apr-22	66.6	64.7	65.8
04-May-22	66.7	62.9	65.2
18-May-22	62.1	59.8	61.1
06-Jun-22	63.8	57.2	61.6
22-Jun-22	65.3	61.7	63.9
07-Jul-22	62.5	56.8	60.5
21-Jul-22	65.4	62.7	64.3
03-Aug-22	63.8	57.6	61.7
18-Aug-22	63.5	59.2	61.9
12-Sep-22	65.3	62.5	64.1
19-Sep-22	66.2	63.1	64.9
06-Oct-22	60.5	58.7	59.7
26-Oct-22	66.7	63.9	65.5
07-Nov-22	63.4	59.8	62.0
21-Nov-22	66.7	62.1	65.0
08-Dec-22	66.7	62.1	65.0
22-Dec-22	66.9	61.7	65.0
04-Jan-23	64.9	59.3	62.9
17-Jan-23	63.4	57.6	61.4
13-Feb-23	66.7	62.1	65.0
23-Feb-23	63.7	61.2	62.6
09-Mar-23	60.4	59.8	60.1
23-Mar-23	66.6	62.4	65.0
Brief Statistic	Day	Night	Leq DN
Minimum	60.4	56.8	59.7
Maximum	66.9	64.7	65.8
Mean	64.6	60.8	63.2

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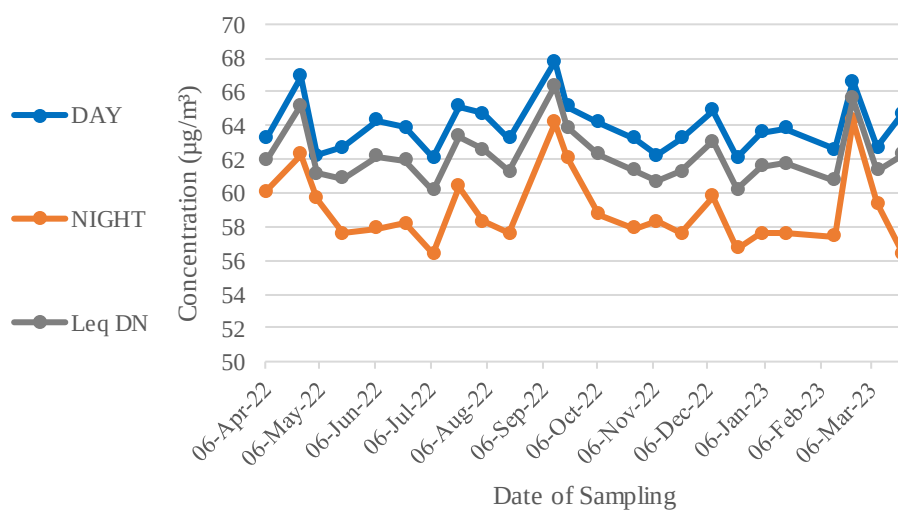
Table:441
Area: IB Valley Area
Project: Samaleswari OCP
Monitoring Station: Khokelmal (Reported Only)

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	63.2	60.1	61.9
25-Apr-22	66.9	62.3	65.2
04-May-22	62.2	59.7	61.1
18-May-22	62.7	57.6	60.9
06-Jun-22	64.3	57.9	62.2
22-Jun-22	63.9	58.2	61.9
07-Jul-22	62.1	56.4	60.1
21-Jul-22	65.1	60.4	63.4
03-Aug-22	64.7	58.3	62.6
18-Aug-22	63.2	57.6	61.2
12-Sep-22	67.8	64.2	66.4
19-Sep-22	65.1	62.1	63.9
06-Oct-22	64.2	58.7	62.3
26-Oct-22	63.2	57.9	61.3
07-Nov-22	62.2	58.3	60.7
21-Nov-22	63.2	57.6	61.2
08-Dec-22	64.9	59.8	63.1
22-Dec-22	62.1	56.7	60.2
04-Jan-23	63.6	57.6	61.6
17-Jan-23	63.8	57.6	61.7
13-Feb-23	62.6	57.4	60.7
23-Feb-23	66.6	64.3	65.6
09-Mar-23	62.7	59.4	61.4
23-Mar-23	64.7	56.4	62.3
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	56.4	60.1
Maximum	67.8	64.3	66.4
Mean	64.0	59.0	62.2

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Graph Showing Noies for Khokelmal (Reported)



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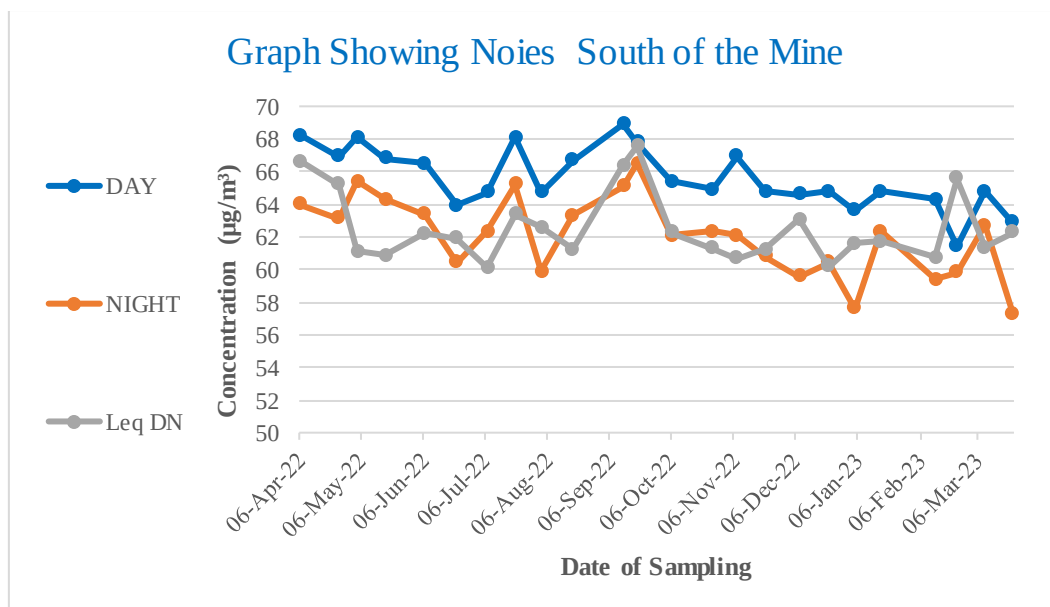
JOB NO.750001

Table:442
Area: Ib Valley Area
Project: Samaleswari OCP
Monitoring Station: South of the Mine

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	68.2	64	66.6
25-Apr-22	66.9	63.1	65.2
04-May-22	68.1	65.4	61.1
18-May-22	66.8	64.3	60.9
06-Jun-22	66.5	63.4	62.2
22-Jun-22	63.9	60.4	61.9
07-Jul-22	64.7	62.3	60.1
21-Jul-22	68.1	65.2	63.4
03-Aug-22	64.7	59.9	62.6
18-Aug-22	66.7	63.3	61.2
12-Sep-22	68.9	65.1	66.4
19-Sep-22	67.8	66.5	67.5
06-Oct-22	65.4	62.1	62.3
26-Oct-22	64.9	62.3	61.3
07-Nov-22	66.9	62.1	60.7
21-Nov-22	64.8	60.8	61.2
08-Dec-22	64.6	59.6	63.1
22-Dec-22	64.8	60.4	60.2
04-Jan-23	63.6	57.6	61.6
17-Jan-23	64.8	62.3	61.7
13-Feb-23	64.3	59.4	60.7
23-Feb-23	61.4	59.8	65.6
09-Mar-23	64.8	62.7	61.4
23-Mar-23	62.9	57.3	62.3
Brief Statistic	Day	Night	Leq DN
Minimum	61.4	57.3	60.1
Maximum	68.9	66.5	67.5
Mean	65.6	62.1	62.5

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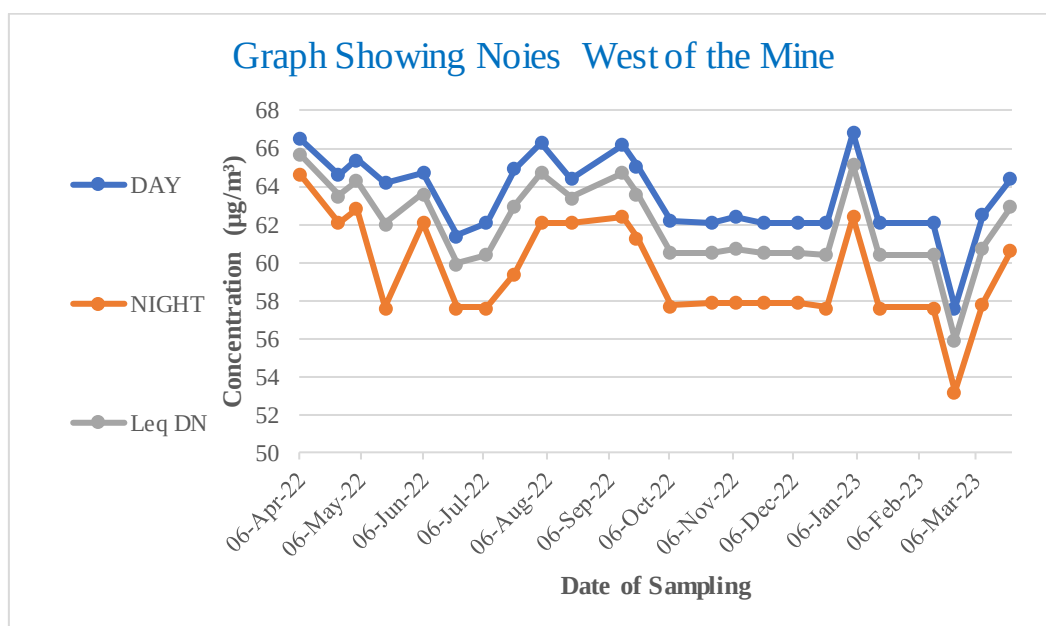
JOB NO.750001

Table:443
Area: Ib Valley Area
Project: Samaleswari OCP
Monitoring Station: West of the Mine

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	66.5	64.6	65.7
25-Apr-22	64.6	62.1	63.5
04-May-22	65.4	62.8	64.3
18-May-22	64.2	57.6	62.0
06-Jun-22	64.7	62.1	63.6
22-Jun-22	61.4	57.6	59.9
07-Jul-22	62.1	57.6	60.4
21-Jul-22	64.9	59.4	63.0
03-Aug-22	66.3	62.1	64.7
18-Aug-22	64.4	62.1	63.4
12-Sep-22	66.2	62.4	64.7
19-Sep-22	65.1	61.3	63.6
06-Oct-22	62.2	57.7	60.5
26-Oct-22	62.1	57.9	60.5
07-Nov-22	62.4	57.9	60.7
21-Nov-22	62.1	57.9	60.5
08-Dec-22	62.1	57.9	60.5
22-Dec-22	62.1	57.6	60.4
04-Jan-23	66.8	62.4	65.1
17-Jan-23	62.1	57.6	60.4
13-Feb-23	62.1	57.6	60.4
23-Feb-23	57.6	53.2	55.9
09-Mar-23	62.5	57.8	60.8
23-Mar-23	64.4	60.6	62.9
Brief Statistic	Day	Night	Leq DN
Minimum	57.6	53.2	55.9
Maximum	66.8	64.6	65.7
Mean	63.5	59.5	62.0

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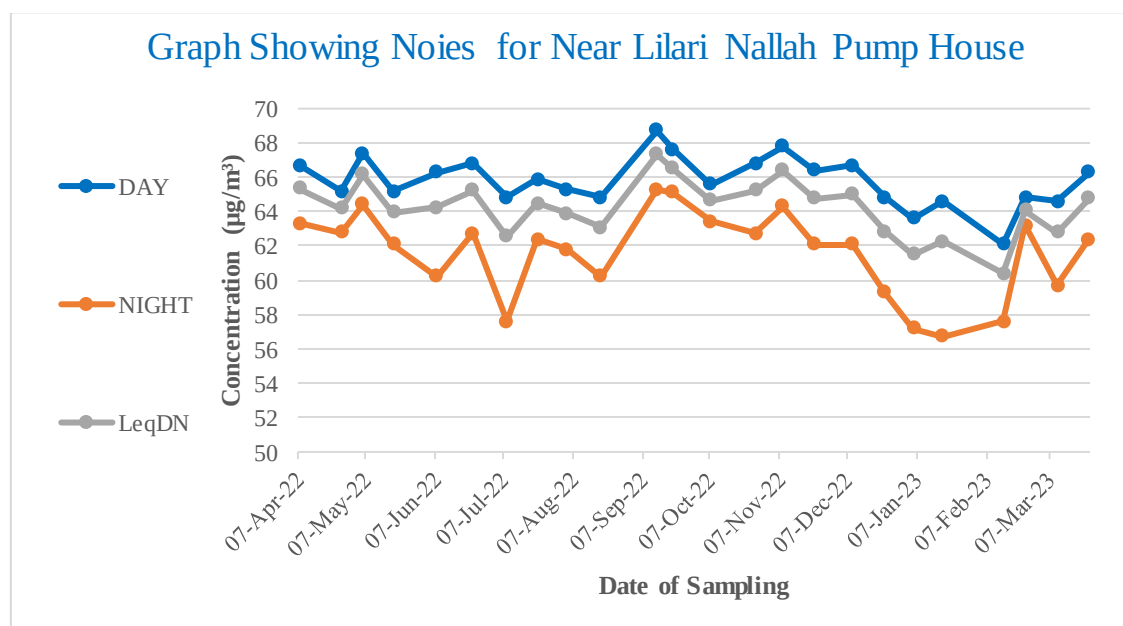
Table: 444

Area: Lakhanpur Area**Project:** Lakhanpur OCP**Monitoring Station:** Near Lilari Nallah Pump House

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	66.7	63.3	65.3
26-Apr-22	65.2	62.8	64.2
05-May-22	67.4	64.4	66.2
19-May-22	65.2	62.1	63.9
07-Jun-22	66.3	60.2	64.2
23-Jun-22	66.8	62.7	65.2
08-Jul-22	64.8	57.6	62.5
22-Jul-22	65.9	62.4	64.5
04-Aug-22	65.3	61.8	63.9
19-Aug-22	64.8	60.2	63.1
13-Sep-22	68.7	65.3	67.3
20-Sep-22	67.6	65.1	66.5
07-Oct-22	65.6	63.4	64.6
27-Oct-22	66.8	62.7	65.2
08-Nov-22	67.8	64.3	66.4
22-Nov-22	66.4	62.1	64.8
09-Dec-22	66.7	62.1	65.0
23-Dec-22	64.8	59.3	62.9
05-Jan-23	63.6	57.2	61.5
18-Jan-23	64.6	56.7	62.2
14-Feb-23	62.1	57.6	60.4
24-Feb-23	64.8	63.2	64.1
10-Mar-23	64.6	59.7	62.8
24-Mar-23	66.3	62.4	64.8
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	56.7	60.4
Maximum	68.7	65.3	67.3
Mean	65.8	61.6	64.2

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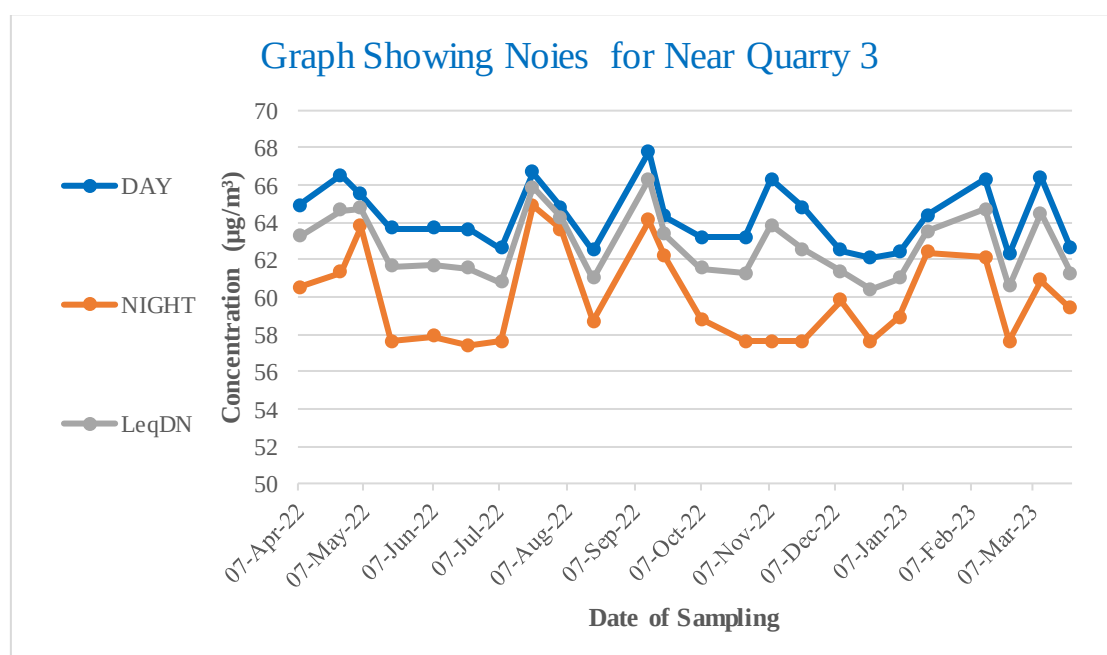
JOB NO.750001

Table: 445
Area: Lakhanpur Area
Project: Lakhanpur OCP
Monitoring Station: Near Quarry 3

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	64.9	60.5	63.2
26-Apr-22	66.5	61.3	64.6
05-May-22	65.5	63.8	64.7
19-May-22	63.7	57.6	61.6
07-Jun-22	63.7	57.9	61.7
23-Jun-22	63.6	57.4	61.5
08-Jul-22	62.6	57.6	60.8
22-Jul-22	66.7	64.9	65.9
04-Aug-22	64.8	63.6	64.2
19-Aug-22	62.5	58.7	61.0
13-Sep-22	67.8	64.1	66.3
20-Sep-22	64.3	62.2	63.4
07-Oct-22	63.2	58.8	61.5
27-Oct-22	63.2	57.6	61.2
08-Nov-22	66.3	57.6	63.8
22-Nov-22	64.8	57.6	62.5
09-Dec-22	62.5	59.8	61.4
23-Dec-22	62.1	57.6	60.4
05-Jan-23	62.4	58.9	61.0
18-Jan-23	64.4	62.4	63.5
13-Feb-23	66.3	62.1	64.7
24-Feb-23	62.3	57.6	60.6
10-Mar-23	66.4	60.9	64.5
24-Mar-23	62.6	59.4	61.3
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	57.4	60.4
Maximum	67.8	64.9	66.3
Mean	64.3	60.0	62.7

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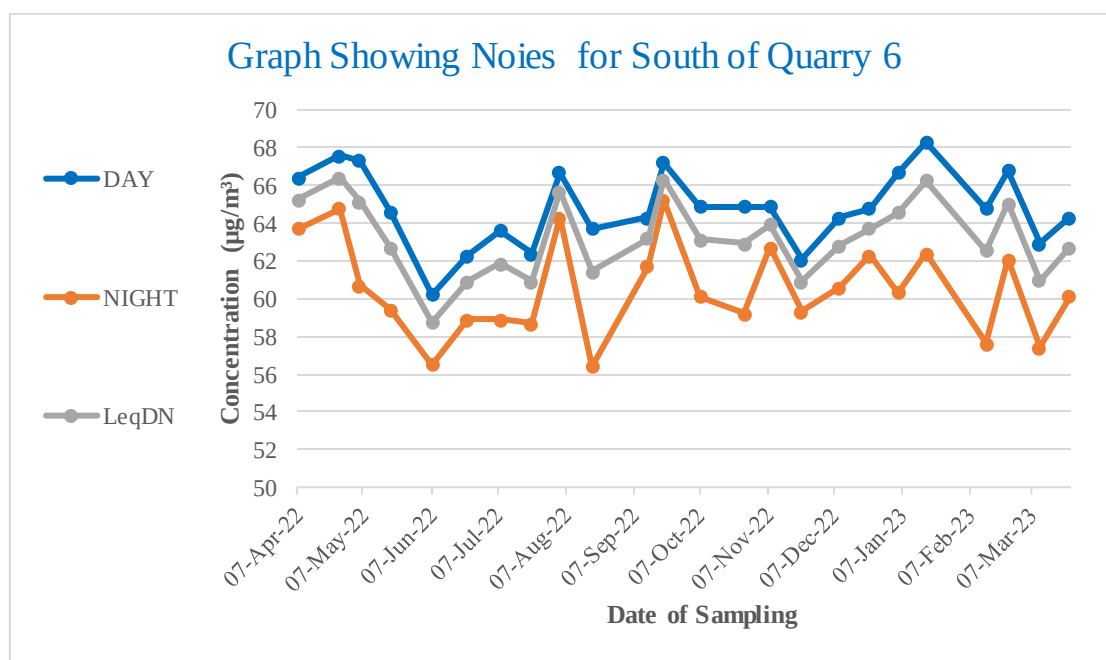
JOB NO.750001

Table: 446
Area: Lakhanpur Area
Project: Lakhanpur OCP
Monitoring Station: South of Quarry 6

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	66.4	63.7	65.3
26-Apr-22	67.6	64.8	66.4
05-May-22	67.3	60.7	65.1
19-May-22	64.6	59.4	62.7
07-Jun-22	60.2	56.5	58.7
23-Jun-22	62.3	58.9	60.9
08-Jul-22	63.6	58.9	61.9
22-Jul-22	62.4	58.7	60.9
04-Aug-22	66.7	64.3	65.7
19-Aug-22	63.7	56.4	61.4
13-Sep-22	64.3	61.7	63.2
20-Sep-22	67.2	65.2	66.3
07-Oct-22	64.9	60.1	63.1
27-Oct-22	64.9	59.2	62.9
08-Nov-22	64.9	62.7	63.9
22-Nov-22	62.1	59.3	60.9
09-Dec-22	64.3	60.6	62.8
23-Dec-22	64.8	62.3	63.7
05-Jan-23	66.7	60.3	64.6
18-Jan-23	68.3	62.4	66.3
14-Feb-23	64.8	57.6	62.5
24-Feb-23	66.8	62.1	65.1
10-Mar-23	62.9	57.4	61.0
24-Mar-23	64.3	60.1	62.7
Brief Statistic	Day	Night	Leq DN
Minimum	60.2	56.4	58.7
Maximum	68.3	65.2	66.4
Mean	64.8	60.6	63.3

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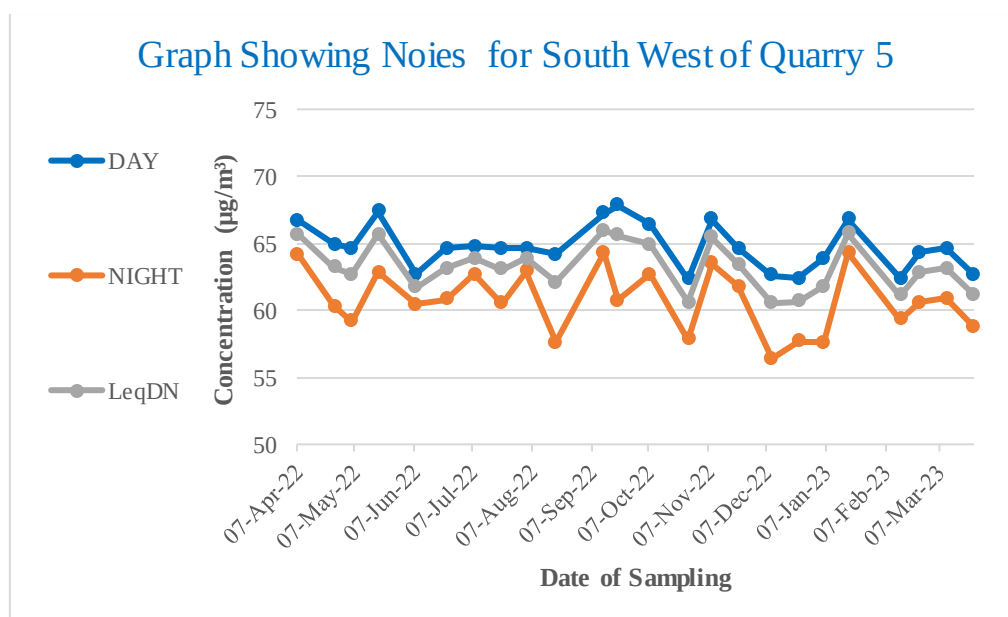
Table: 447

Area: Lakhanpur Area**Project:** Lakhanpur OCP**Monitoring Station:** South West of Quarry 5

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	66.7	64.2	65.6
26-Apr-22	64.9	60.3	63.2
05-May-22	64.6	59.2	62.7
19-May-22	67.4	62.8	65.7
07-Jun-22	62.7	60.4	61.7
23-Jun-22	64.6	60.8	63.1
08-Jul-22	64.8	62.7	63.9
22-Jul-22	64.6	60.5	63.0
04-Aug-22	64.6	62.9	63.8
19-Aug-22	64.2	57.6	62.0
13-Sep-22	67.2	64.3	66.0
20-Sep-22	67.8	60.7	65.6
07-Oct-22	66.4	62.7	64.9
27-Oct-22	62.3	57.8	60.6
08-Nov-22	66.8	63.5	65.5
22-Nov-22	64.6	61.8	63.4
09-Dec-22	62.6	56.4	60.5
23-Dec-22	62.4	57.7	60.7
05-Jan-23	63.9	57.6	61.8
18-Jan-23	66.8	64.3	65.7
14-Feb-23	62.4	59.3	61.1
24-Feb-23	64.3	60.6	62.8
10-Mar-23	64.6	60.9	63.1
24-Mar-23	62.7	58.8	61.2
Brief Statistic	Day	Night	Leq DN
Minimum	62.3	56.4	60.5
Maximum	67.8	64.3	66.0
Mean	64.7	60.7	63.2

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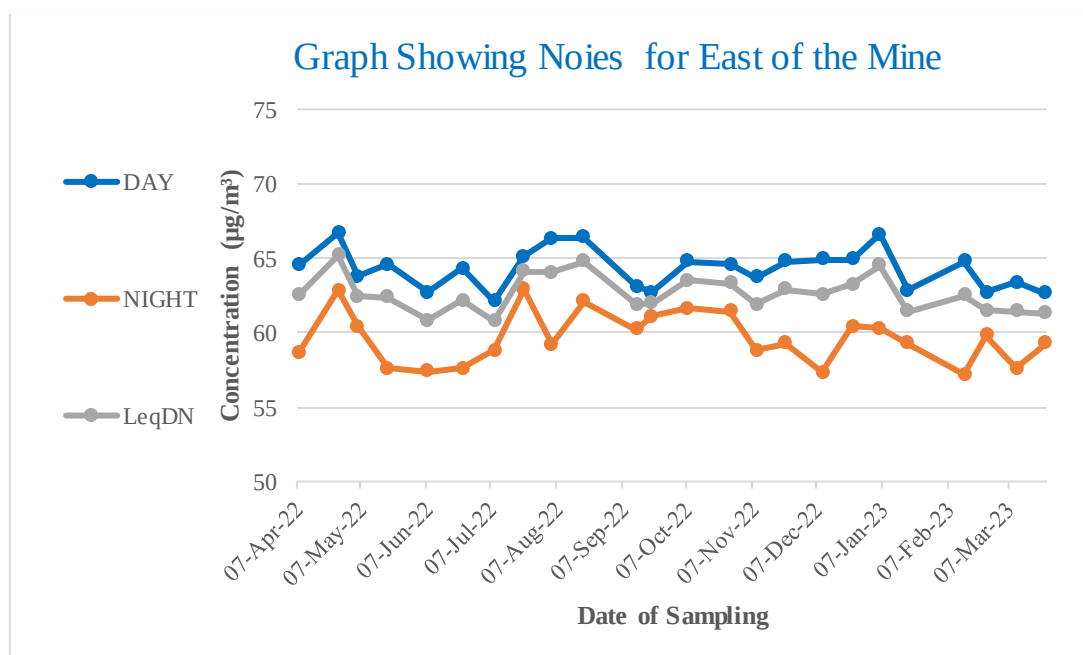
JOB NO.750001

Table: 448
Area: Lakhanpur Area
Project: Belpahar OCP
Monitoring Station: East of the Mine

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	64.5	58.6	62.5
26-Apr-22	66.7	62.8	65.2
05-May-22	63.8	60.4	62.4
19-May-22	64.6	57.6	62.4
07-Jun-22	62.7	57.4	60.8
23-Jun-22	64.3	57.6	62.1
08-Jul-22	62.1	58.8	60.8
22-Jul-22	65.1	62.9	64.1
04-Aug-22	66.3	59.2	64.1
19-Aug-22	66.4	62.1	64.8
13-Sep-22	63.1	60.2	61.9
20-Sep-22	62.7	61.1	62.0
07-Oct-22	64.8	61.6	63.5
27-Oct-22	64.6	61.4	63.3
08-Nov-22	63.7	58.8	61.9
22-Nov-22	64.8	59.3	62.9
09-Dec-22	64.9	57.3	62.6
23-Dec-22	64.9	60.4	63.2
05-Jan-23	66.6	60.3	64.5
18-Jan-23	62.8	59.3	61.4
14-Feb-23	64.8	57.2	62.5
24-Feb-23	62.7	59.8	61.5
10-Mar-23	63.4	57.6	61.4
24-Mar-23	62.6	59.3	61.3
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	57.2	60.8
Maximum	66.7	62.9	65.2
Mean	64.3	59.6	62.6

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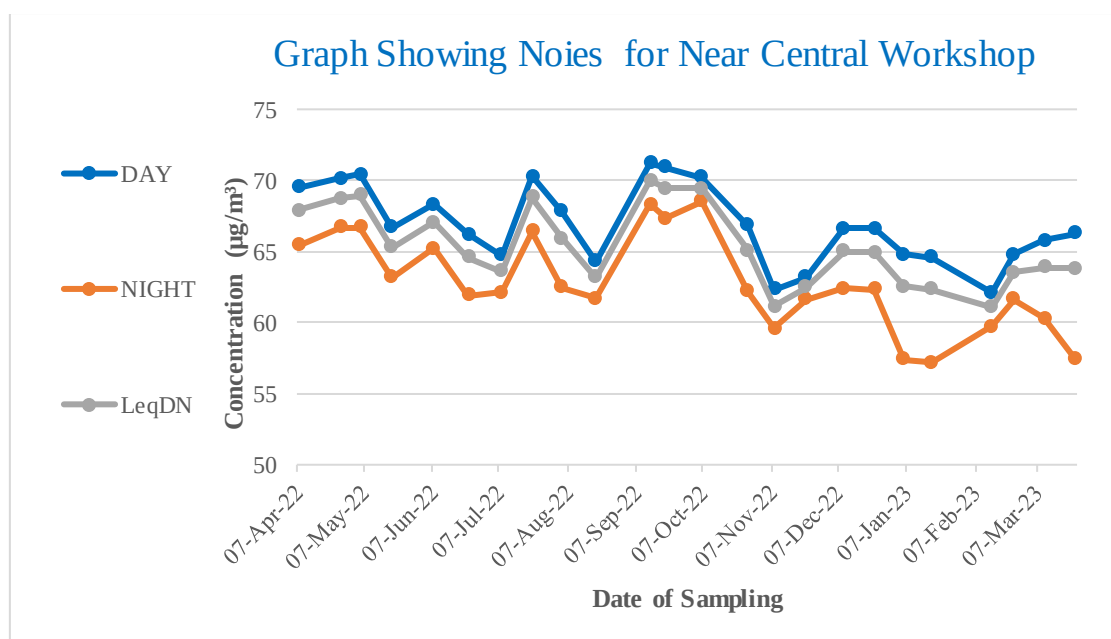
JOB NO.750001

Table: 449
Area: Lakhanpur Area
Project: Belpahar OCP
Monitoring Station: Near Central Workshop

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	69.5	65.4	67.9
26-Apr-22	70.1	66.7	68.7
05-May-22	70.4	66.7	68.9
19-May-22	66.7	63.2	65.3
07-Jun-22	68.3	65.2	67.0
23-Jun-22	66.2	61.9	64.6
08-Jul-22	64.7	62.1	63.6
22-Jul-22	70.3	66.4	68.8
04-Aug-22	67.8	62.5	65.9
19-Aug-22	64.3	61.7	63.2
13-Sep-22	71.2	68.3	70.0
20-Sep-22	70.9	67.3	69.5
06-Oct-22	70.2	68.5	69.4
27-Oct-22	66.8	62.2	65.1
08-Nov-22	62.3	59.6	61.2
22-Nov-22	63.2	61.6	62.5
09-Dec-22	66.6	62.4	65.0
23-Dec-22	66.6	62.3	65.0
05-Jan-23	64.8	57.4	62.5
18-Jan-23	64.6	57.2	62.3
14-Feb-23	62.1	59.7	61.1
24-Feb-23	64.8	61.6	63.5
10-Mar-23	65.8	60.3	63.9
24-Mar-23	66.3	57.4	63.8
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	57.2	61.1
Maximum	71.2	68.5	70.0
Mean	66.9	62.8	65.4

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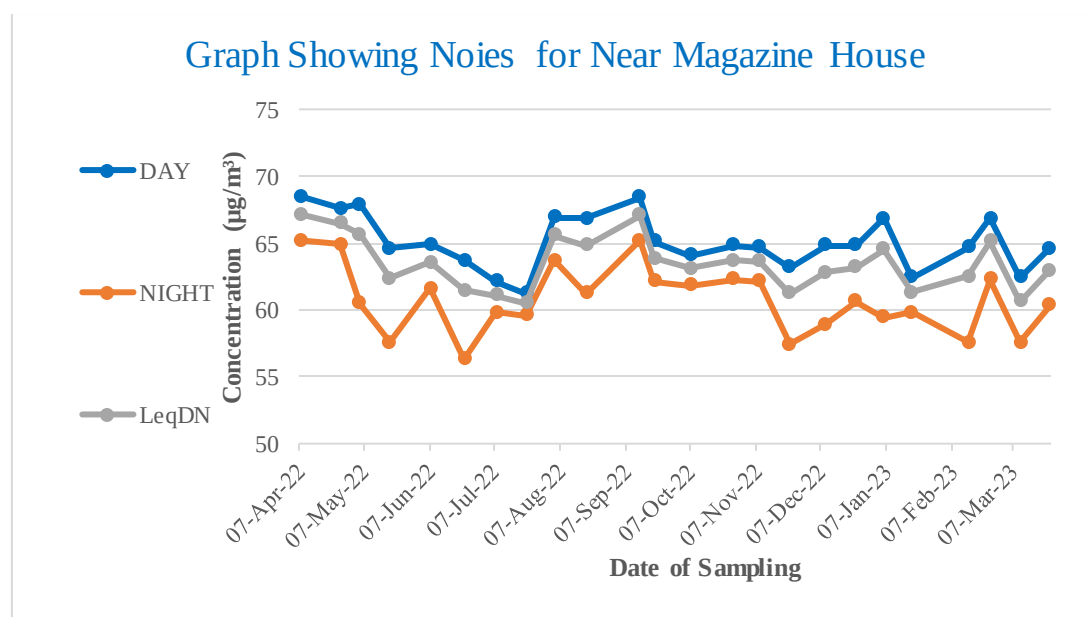
JOB NO.750001

Table: 450
Area: Lakhanpur OCP
Project: Belpahar OCP
Monitoring Station: Near Magazine House

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	68.5	65.2	67.2
26-Apr-22	67.6	64.9	66.5
05-May-22	67.9	60.5	65.6
19-May-22	64.6	57.6	62.4
07-Jun-22	64.9	61.6	63.6
23-Jun-22	63.7	56.3	61.4
08-Jul-22	62.1	59.8	61.1
22-Jul-22	61.2	59.6	60.5
04-Aug-22	66.9	63.7	65.6
19-Aug-22	66.8	61.2	64.8
13-Sep-22	68.4	65.2	67.1
20-Sep-22	65.1	62.1	63.9
07-Oct-22	64.1	61.8	63.1
27-Oct-22	64.8	62.3	63.7
08-Nov-22	64.7	62.1	63.6
22-Nov-22	63.2	57.4	61.2
09-Dec-22	64.8	58.9	62.8
23-Dec-22	64.8	60.6	63.2
05-Jan-23	66.8	59.4	64.5
18-Jan-23	62.4	59.8	61.3
14-Feb-23	64.7	57.6	62.5
24-Feb-23	66.8	62.3	65.1
10-Mar-23	62.4	57.6	60.6
24-Mar-23	64.6	60.3	63.0
Brief Statistic	Day	Night	Leq DN
Minimum	61.2	56.3	60.5
Maximum	68.5	65.2	67.2
Mean	65.1	60.7	63.5

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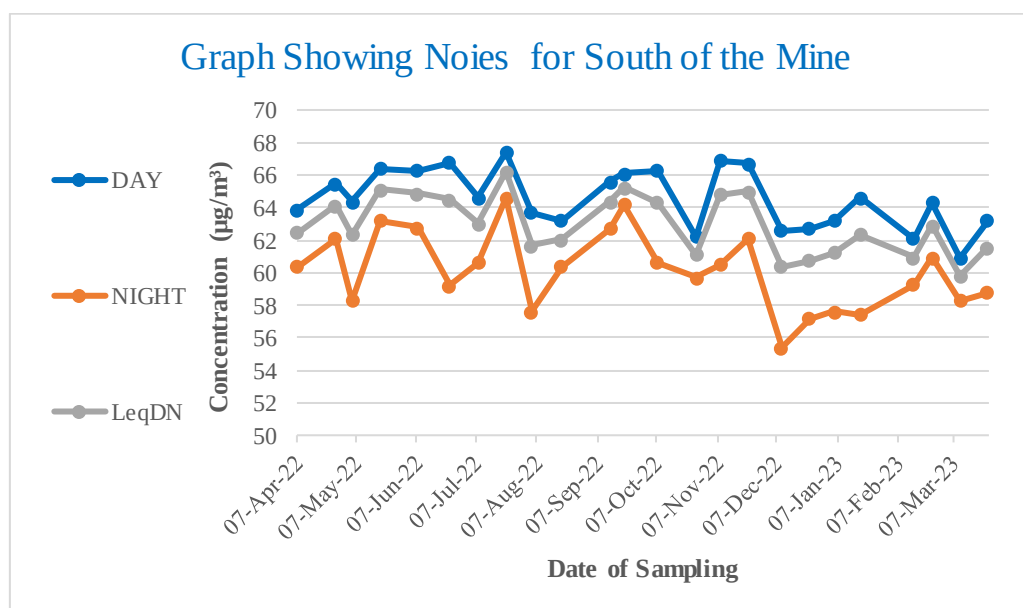
JOB NO.750001

Table: 451
Area: Lakhanpur OCP
Project: Belpahar OCP
Monitoring Station: South of the Mine

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	63.9	60.4	62.5
26-Apr-22	65.5	62.1	64.1
05-May-22	64.4	58.3	62.3
19-May-22	66.4	63.2	65.1
07-Jun-22	66.3	62.8	64.9
23-Jun-22	66.8	59.2	64.5
08-Jul-22	64.6	60.6	63.0
22-Jul-22	67.4	64.6	66.2
04-Aug-22	63.7	57.6	61.6
19-Aug-22	63.2	60.4	62.0
13-Sep-22	65.6	62.7	64.4
20-Sep-22	66.1	64.2	65.3
07-Oct-22	66.3	60.6	64.3
27-Oct-22	62.2	59.7	61.1
08-Nov-22	66.9	60.5	64.8
22-Nov-22	66.7	62.1	65.0
09-Dec-22	62.6	55.4	60.3
23-Dec-22	62.7	57.2	60.8
05-Jan-23	63.2	57.6	61.2
18-Jan-23	64.6	57.4	62.3
14-Feb-23	62.1	59.3	60.9
24-Feb-23	64.3	60.9	62.9
10-Mar-23	60.9	58.3	59.8
24-Mar-23	63.2	58.8	61.5
Brief Statistic	Day	Night	Leq DN
Minimum	60.9	55.4	59.8
Maximum	67.4	64.6	66.2
Mean	64.6	60.2	63.0

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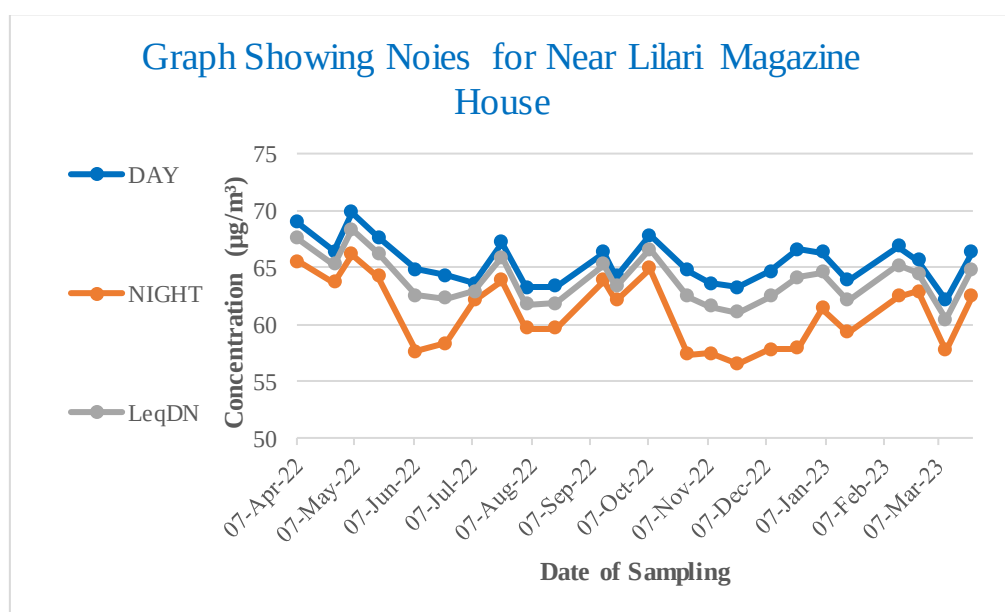
Table: 452
Area: Lakhanpur OCP
Project: Lilari OCP
Monitoring Station: Near Lilari Magazine House

DATE	DAY	NIGHT	Leq(dB)
07-Apr-22	68.9	65.5	67.5
26-Apr-22	66.4	63.7	65.3
05-May-22	69.8	66.1	68.3
19-May-22	67.6	64.2	66.2
07-Jun-22	64.8	57.6	62.5
23-Jun-22	64.3	58.3	62.3
08-Jul-22	63.6	62.1	62.9
22-Jul-22	67.2	63.8	65.8
04-Aug-22	63.2	59.6	61.8
19-Aug-22	63.3	59.6	61.8
13-Sep-22	66.3	63.8	65.2
20-Sep-22	64.2	62.1	63.3
07-Oct-22	67.8	64.9	66.6
27-Oct-22	64.7	57.3	62.4
08-Nov-22	63.6	57.4	61.5
22-Nov-22	63.2	56.5	61.0
09-Dec-22	64.6	57.8	62.4
23-Dec-22	66.6	57.9	64.1
05-Jan-23	66.3	61.4	64.5
18-Jan-23	63.8	59.3	62.1
14-Feb-23	66.8	62.4	65.1
24-Feb-23	65.6	62.9	64.5
10-Mar-23	62.1	57.7	60.4
24-Mar-23	66.3	62.4	64.8
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	56.5	60.4
Maximum	69.8	66.1	68.3
Mean	65.5	61.0	63.9

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Graph Showing Noies for Near Lilari Magazine House



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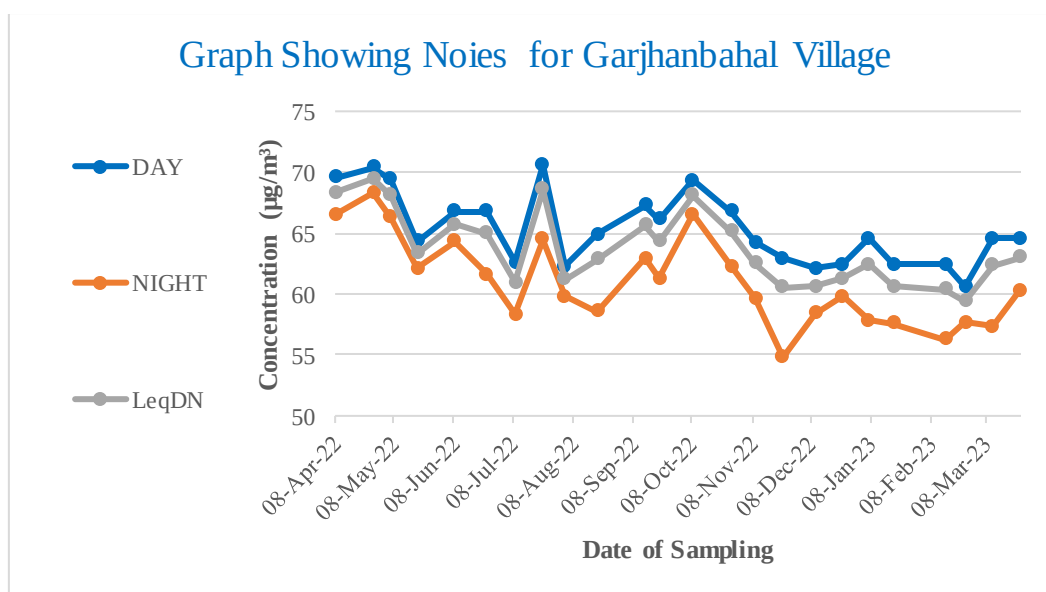
Table: 453
Area: Basundhara OCP
Project: Garjanbahal OCP
Monitoring Station: Garjhanbahal Village

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	69.6	66.5	68.3
27-Apr-22	70.4	68.3	69.5
06-May-22	69.4	66.3	68.1
20-May-22	64.3	62.1	63.3
08-Jun-22	66.8	64.3	65.7
24-Jun-22	66.8	61.6	64.9
09-Jul-22	62.6	58.3	61.0
23-Jul-22	70.6	64.5	68.5
03-Aug-22	62.3	59.8	61.2
20-Aug-22	64.9	58.6	62.8
14-Sep-22	67.3	62.9	65.6
21-Sep-22	66.1	61.3	64.3
08-Oct-22	69.3	66.5	68.1
28-Oct-22	66.8	62.3	65.1
09-Nov-22	64.2	59.6	62.5
23-Nov-22	62.9	54.8	60.5
10-Dec-22	62.1	58.4	60.6
24-Dec-22	62.4	59.8	61.3
06-Jan-23	64.6	57.8	62.4
19-Jan-23	62.4	57.6	60.6
15-Feb-23	62.4	56.3	60.3
25-Feb-23	60.6	57.7	59.4
11-Mar-23	64.6	57.3	62.3
25-Mar-23	64.6	60.3	63.0
Brief Statistic	Day	Night	Leq DN
Minimum	60.6	54.8	59.4
Maximum	70.6	68.3	69.5
Mean	65.3	61.0	63.7

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Graph Showing Noies for Garjhanbahal Village



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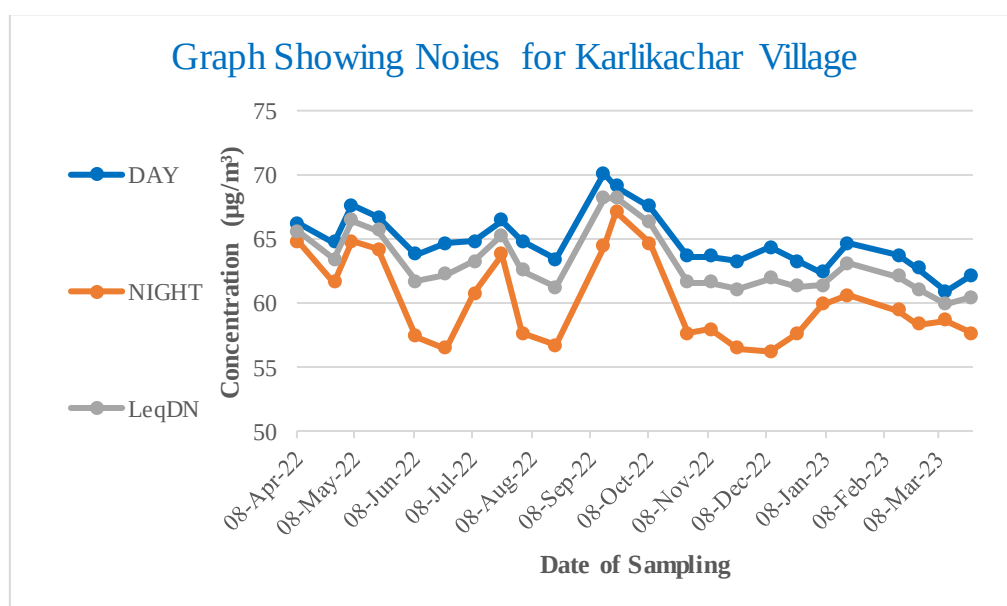
JOB NO.750001

Table: 454
Area: Basundhara
Project: Garjanbahal OCP
Monitoring Station: Karlikachar Village

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	66.2	64.8	65.6
27-Apr-22	64.7	61.6	63.4
06-May-22	67.6	64.8	66.4
20-May-22	66.7	64.2	65.6
08-Jun-22	63.8	57.4	61.7
24-Jun-22	64.6	56.4	62.2
09-Jul-22	64.8	60.7	63.2
23-Jul-22	66.4	63.8	65.3
03-Aug-22	64.8	57.6	62.5
20-Aug-22	63.4	56.7	61.2
14-Sep-22	70.1	64.4	68.1
21-Sep-22	69.1	67.1	68.2
08-Oct-22	67.5	64.6	66.3
28-Oct-22	63.6	57.6	61.6
09-Nov-22	63.6	57.9	61.6
23-Nov-22	63.2	56.4	61.0
10-Dec-22	64.3	56.2	61.9
24-Dec-22	63.2	57.6	61.2
06-Jan-23	62.4	59.9	61.3
19-Jan-23	64.6	60.6	63.0
15-Feb-23	63.7	59.4	62.1
25-Feb-23	62.7	58.3	61.0
11-Mar-23	60.9	58.6	59.9
25-Mar-23	62.1	57.6	60.4
Brief Statistic	Day	Night	Leq DN
Minimum	60.9	56.2	59.9
Maximum	70.1	67.1	68.2
Mean	64.8	60.2	63.1

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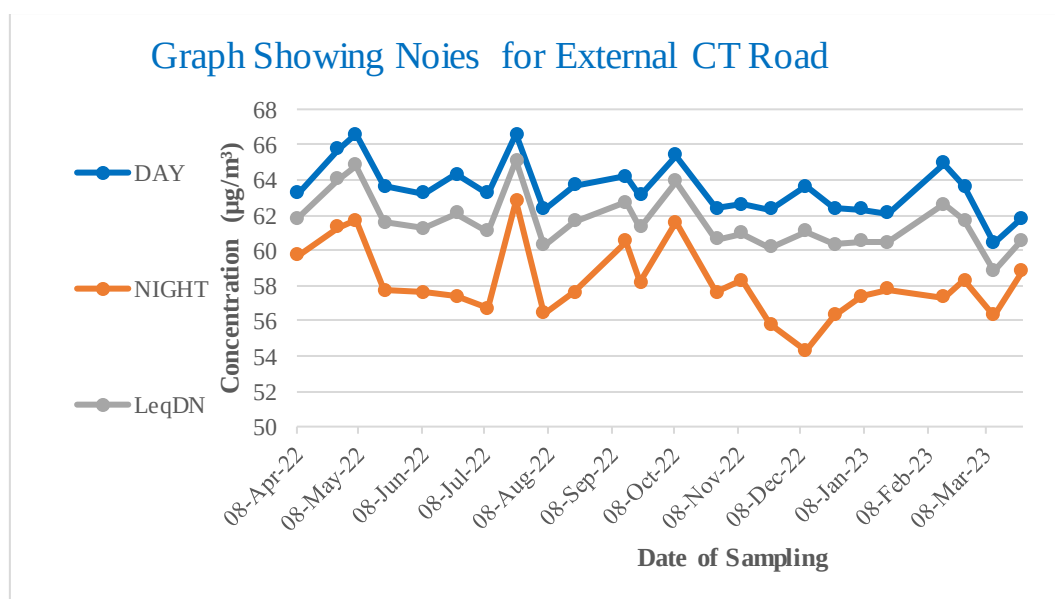
JOB NO.750001

Table: 455
Area: Basundhara Area
Project: Kulda OCP
Monitoring Station: External CT Road

DATE	DAY	NIGHT	LeqDN(dB)
08-Apr-22	63.2	59.7	61.8
27-Apr-22	65.7	61.3	64.0
06-May-22	66.6	61.7	64.8
20-May-22	63.6	57.7	61.6
08-Jun-22	63.2	57.6	61.2
24-Jun-22	64.3	57.4	62.1
09-Jul-22	63.2	56.7	61.1
23-Jul-22	66.6	62.8	65.1
05-Aug-22	62.3	56.4	60.3
20-Aug-22	63.7	57.6	61.6
14-Sep-22	64.2	60.5	62.7
21-Sep-22	63.1	58.2	61.3
08-Oct-22	65.4	61.6	63.9
28-Oct-22	62.4	57.6	60.6
09-Nov-22	62.6	58.3	61.0
23-Nov-22	62.3	55.8	60.2
10-Dec-22	63.6	54.3	61.1
24-Dec-22	62.4	56.3	60.3
06-Jan-23	62.3	57.4	60.5
19-Jan-23	62.1	57.8	60.5
15-Feb-23	64.9	57.3	62.6
25-Feb-23	63.6	58.3	61.7
11-Mar-23	60.4	56.3	58.8
25-Mar-23	61.8	58.8	60.6
Brief Statistic	Day	Night	Leq DN
Minimum	60.4	54.3	58.8
Maximum	66.6	62.8	65.1
Mean	63.5	58.2	61.6

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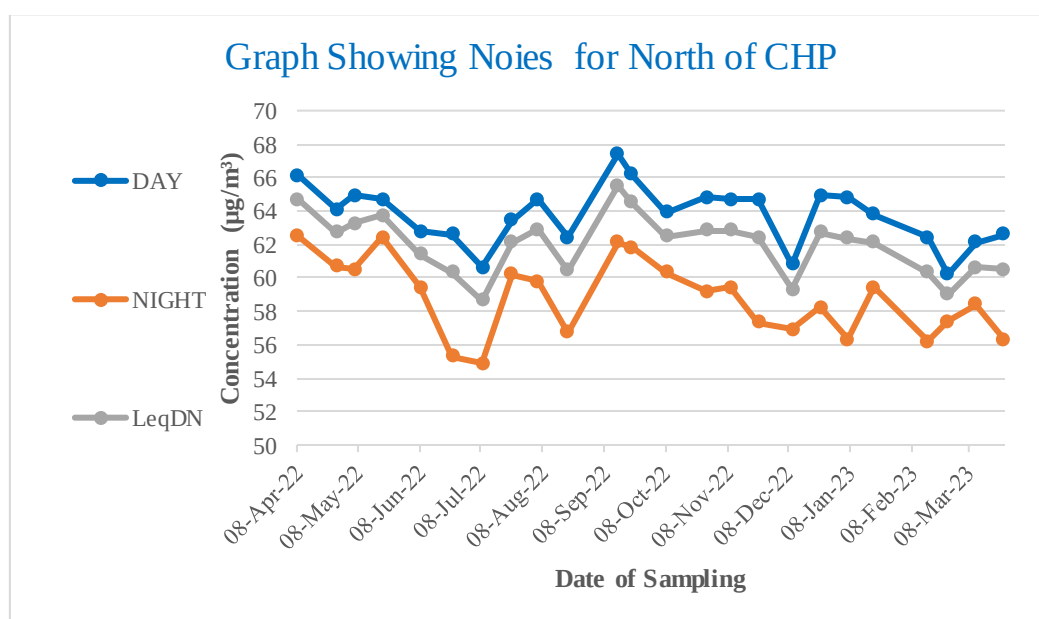
JOB NO.750001

Table: 456
Area: Basundhara OCP
Project: Kulda OCP
Monitoring Station: North of CHP

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	66.1	62.5	64.7
27-Apr-22	64.1	60.7	62.7
06-May-22	64.9	60.5	63.2
20-May-22	64.7	62.4	63.7
08-Jun-22	62.8	59.4	61.4
24-Jun-22	62.6	55.3	60.3
09-Jul-22	60.6	54.9	58.6
23-Jul-22	63.4	60.2	62.1
05-Aug-22	64.7	59.8	62.9
20-Aug-22	62.4	56.7	60.4
14-Sep-22	67.4	62.1	65.5
21-Sep-22	66.2	61.8	64.5
08-Oct-22	63.9	60.3	62.5
28-Oct-22	64.8	59.2	62.8
09-Nov-22	64.7	59.4	62.8
23-Nov-22	64.7	57.3	62.4
10-Dec-22	60.8	56.9	59.3
24-Dec-22	64.9	58.2	62.7
06-Jan-23	64.8	56.3	62.4
19-Jan-23	63.8	59.4	62.1
15-Feb-23	62.4	56.2	60.3
25-Feb-23	60.2	57.4	59.0
11-Mar-23	62.1	58.4	60.6
25-Mar-23	62.6	56.3	60.5
Brief Statistic	Day	Night	Leq DN
Minimum	60.2	54.9	58.6
Maximum	67.4	62.5	65.5
Mean	63.7	58.8	62.0

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Table: 457

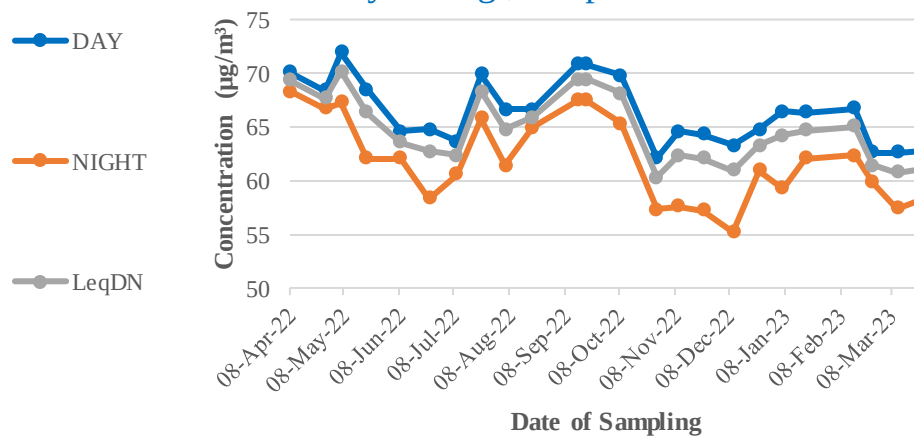
Area: Mahalaxmi**Project:** Basundhara (W) OCP**Monitoring Station:** North of the Sardega Railway Siding ,Kulapada

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	70.1	68.3	69.3
27-Apr-22	68.4	66.7	67.6
06-May-22	71.9	67.3	70.2
20-May-22	68.5	62.1	66.4
08-Jun-22	64.6	62.1	63.5
24-Jun-22	64.8	58.3	62.7
09-Jul-22	63.6	60.6	62.4
23-Jul-22	69.9	65.8	68.3
05-Aug-22	66.6	61.4	64.7
20-Aug-22	66.6	64.9	65.8
14-Sep-22	70.8	67.5	69.5
19-Sep-22	70.8	67.5	69.5
08-Oct-22	69.8	65.3	68.1
28-Oct-22	62.1	57.3	60.3
09-Nov-22	64.6	57.6	62.4
23-Nov-22	64.3	57.2	62.1
10-Dec-22	63.3	55.2	60.9
24-Dec-22	64.8	60.9	63.3
06-Jan-23	66.4	59.3	64.2
19-Jan-23	66.3	62.1	64.7
15-Feb-23	66.7	62.3	65.0
25-Feb-23	62.6	59.8	61.4
11-Mar-23	62.6	57.4	60.7
25-Mar-23	62.8	58.3	61.1
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	55.2	60.3
Maximum	71.9	68.3	70.2
Mean	66.4	61.9	64.8

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Graph Showing Noies for North of the Sardega
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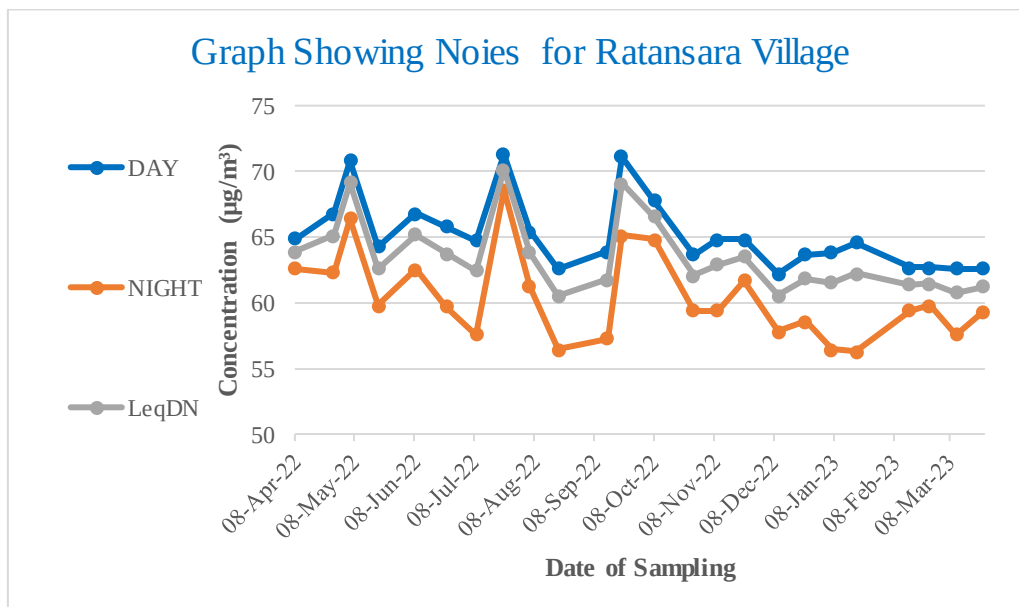
JOB NO.750001

Table: 458
Area: Mahalaxmi
Project: Basundhara (W) OCP
Monitoring Station: Ratansara Village

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	64.9	62.6	63.9
27-Apr-22	66.8	62.3	65.1
06-May-22	70.8	66.4	69.1
20-May-22	64.3	59.8	62.6
08-Jun-22	66.8	62.5	65.2
24-Jun-22	65.8	59.7	63.7
09-Jul-22	64.7	57.6	62.5
23-Jul-22	71.3	68.6	70.2
05-Aug-22	65.4	61.2	63.8
20-Aug-22	62.6	56.4	60.5
14-Sep-22	63.9	57.3	61.7
21-Sep-22	71.1	65.1	69.1
08-Oct-22	67.8	64.8	66.6
28-Oct-22	63.7	59.4	62.1
09-Nov-22	64.8	59.4	62.9
23-Nov-22	64.8	61.7	63.5
10-Dec-22	62.2	57.8	60.5
24-Dec-22	63.7	58.6	61.9
06-Jan-23	63.8	56.4	61.5
19-Jan-23	64.6	56.3	62.2
15-Feb-23	62.7	59.4	61.4
25-Feb-23	62.7	59.8	61.5
11-Mar-23	62.6	57.6	60.8
25-Mar-23	62.6	59.3	61.3
Brief Statistic	Day	Night	Leq DN
Minimum	62.2	56.3	60.5
Maximum	71.3	68.6	70.2
Mean	65.2	60.4	63.5

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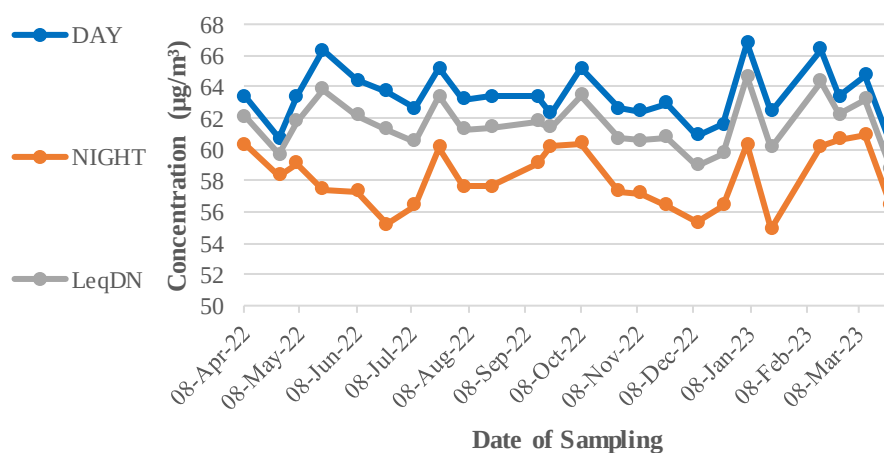
Table: 459
Area: Mahalaxmi
Project: Basundhara (W) OCP
Monitoring Station: Sarangijharia Community Centre

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	63.4	60.3	62.1
27-Apr-22	60.7	58.3	59.7
06-May-22	63.4	59.1	61.8
20-May-22	66.3	57.4	63.8
08-Jun-22	64.4	57.3	62.2
24-Jun-22	63.7	55.2	61.3
09-Jul-22	62.6	56.4	60.5
23-Jul-22	65.2	60.1	63.4
05-Aug-22	63.2	57.6	61.2
20-Aug-22	63.4	57.6	61.4
14-Sep-22	63.4	59.1	61.8
21-Sep-22	62.3	60.2	61.4
08-Oct-22	65.2	60.4	63.4
28-Oct-22	62.6	57.3	60.7
09-Nov-22	62.4	57.2	60.5
23-Nov-22	62.9	56.4	60.8
10-Dec-22	60.9	55.3	58.9
24-Dec-22	61.6	56.4	59.7
06-Jan-23	66.8	60.3	64.7
19-Jan-23	62.4	54.9	60.1
15-Feb-23	66.4	60.2	64.3
25-Feb-23	63.4	60.6	62.2
11-Mar-23	64.7	60.9	63.2
25-Mar-23	60.3	56.4	58.8
Brief Statistic	Day	Night	Leq DN
Minimum	60.3	54.9	58.8
Maximum	66.8	60.9	64.7
Mean	63.4	58.1	61.6

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Graph Showing Noies for Sarangijharia
Community Centre



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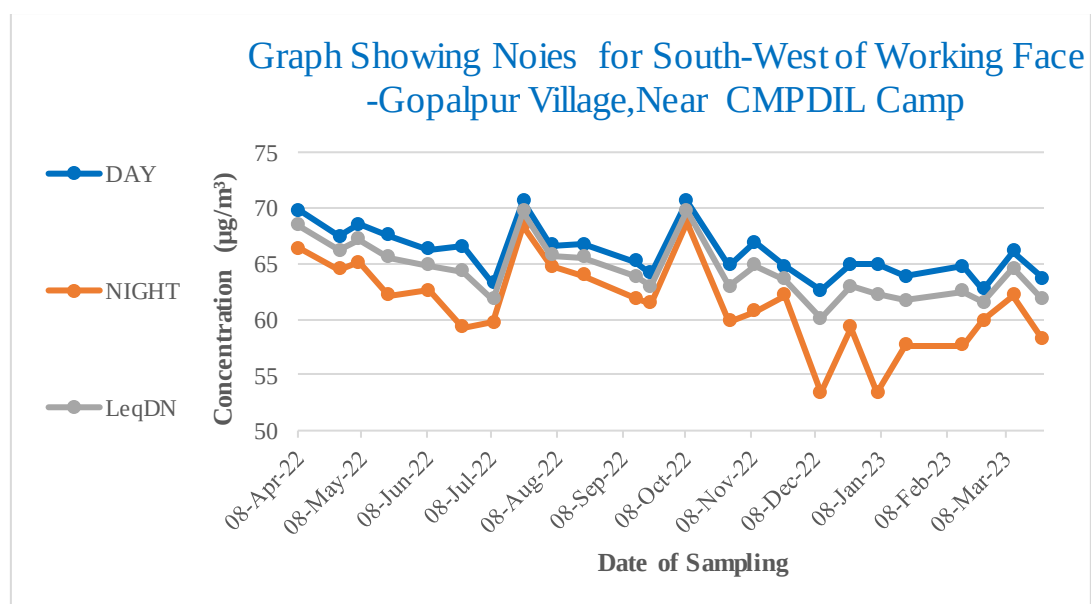
JOB NO.750001

Table: 460
Area: Mahalaxmi
Project: Basundhara (W) OCP
Monitoring Station: South-West of Working Face -Gopalpur Village,Near
 CMPDIL Camp

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	69.8	66.4	68.4
27-Apr-22	67.4	64.5	66.2
06-May-22	68.5	65.1	67.1
20-May-22	67.5	62.1	65.6
08-Jun-22	66.3	62.6	64.8
24-Jun-22	66.5	59.3	64.2
09-Jul-22	63.2	59.7	61.8
23-Jul-22	70.6	68.4	69.6
05-Aug-22	66.6	64.7	65.8
20-Aug-22	66.7	63.9	65.5
14-Sep-22	65.2	61.9	63.9
21-Sep-22	64.1	61.4	63.0
08-Oct-22	70.6	68.7	69.8
28-Oct-22	64.8	59.8	63.0
09-Nov-22	66.9	60.7	64.8
23-Nov-22	64.7	62.1	63.6
10-Dec-22	62.6	53.4	60.1
24-Dec-22	64.9	59.3	62.9
06-Jan-23	64.9	53.4	62.2
19-Jan-23	63.8	57.6	61.7
15-Feb-23	64.7	57.6	62.5
25-Feb-23	62.7	59.9	61.5
11-Mar-23	66.13	62.1	64.6
25-Mar-23	63.7	58.2	61.8
Brief Statistic	Day	Night	Leq DN
Minimum	62.6	53.4	60.1
Maximum	70.6	68.7	69.8
Mean	66.0	61.4	64.3

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JOB NO.750001

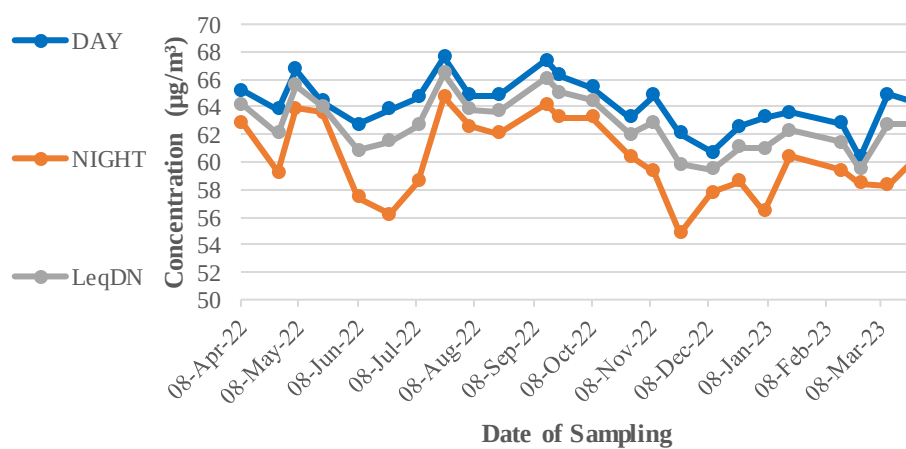
Table: 461
Area: Mahalaxmi
Project: Basundhara (W) OCP
Monitoring Station: West of Coal Stock , Near Golf Course

DATE	DAY	NIGHT	Leq(dB)
08-Apr-22	65.2	62.9	64.2
27-Apr-22	63.8	59.2	62.1
06-May-22	66.7	63.9	65.5
20-May-22	64.4	63.6	64.0
08-Jun-22	62.7	57.4	60.8
24-Jun-22	63.8	56.2	61.5
09-Jul-22	64.7	58.6	62.6
23-Jul-22	67.6	64.7	66.4
05-Aug-22	64.8	62.6	63.8
20-Aug-22	64.8	62.1	63.7
14-Sep-22	67.4	64.2	66.1
21-Sep-22	66.3	63.2	65.0
08-Oct-22	65.4	63.2	64.4
28-Oct-22	63.2	60.4	62.0
09-Nov-22	64.8	59.3	62.9
23-Nov-22	62.1	54.8	59.8
10-Dec-22	60.7	57.8	59.5
24-Dec-22	62.6	58.6	61.0
06-Jan-23	63.2	56.4	61.0
19-Jan-23	63.6	60.4	62.3
15-Feb-23	62.8	59.4	61.4
25-Feb-23	60.3	58.4	59.5
11-Mar-23	64.9	58.3	62.7
25-Mar-23	64.3	60.1	62.7
Brief Statistic	Day	Night	Leq DN
Minimum	60.3	54.8	59.5
Maximum	67.6	64.7	66.4
Mean	64.2	60.2	62.7

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Graph Showing Noies for West of Coal Stock,
Near Golf Course



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Table: 462

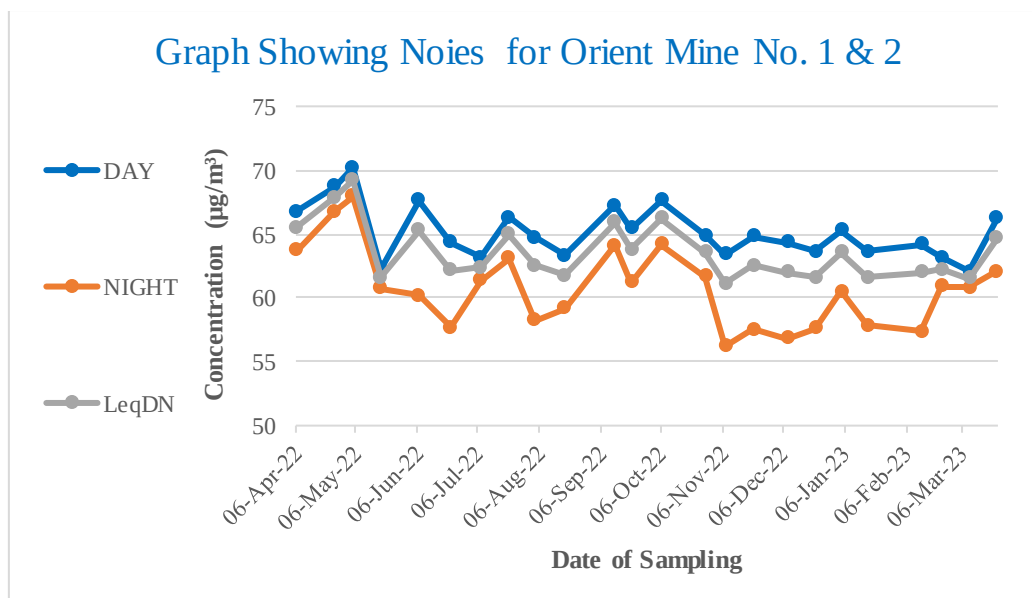
Area: Orient**Project:** Orient Mine No. 1 & 2**Monitoring Station:** Orient Mine No. 1 & 2

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	66.8	63.7	65.5
25-Apr-22	68.7	66.8	67.9
04-May-22	70.2	67.9	69.2
18-May-22	62.3	60.7	61.6
06-Jun-22	67.6	60.2	65.3
22-Jun-22	64.3	57.7	62.1
07-Jul-22	63.2	61.4	62.4
21-Jul-22	66.3	63.1	65.0
03-Aug-22	64.7	58.2	62.6
18-Aug-22	63.3	59.2	61.7
12-Sep-22	67.2	64.1	65.9
21-Sep-22	65.4	61.2	63.8
06-Oct-22	67.6	64.2	66.2
28-Oct-22	64.9	61.7	63.6
07-Nov-22	63.4	56.2	61.1
21-Nov-22	64.8	57.5	62.5
08-Dec-22	64.3	56.8	62.0
22-Dec-22	63.6	57.6	61.6
04-Jan-23	65.3	60.5	63.5
17-Jan-23	63.6	57.8	61.6
13-Feb-23	64.2	57.4	62.0
23-Feb-23	63.2	60.9	62.2
09-Mar-23	62.1	60.8	61.5
23-Mar-23	66.2	62.1	64.6
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	56.2	61.1
Maximum	70.2	67.9	69.2
Mean	65.1	60.7	63.6

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Graph Showing Noies for Orient Mine No. 1 & 2



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Table: 463

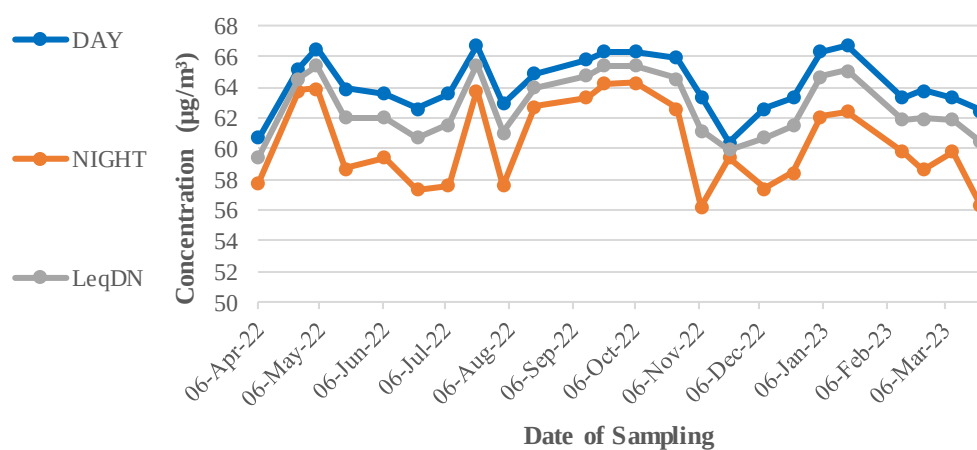
Area: Orient**Project:** Orient Mine No. 1 & 2**Monitoring Station:** VIP Guest House, IB Valley (Reported Only)

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	60.7	57.8	59.5
25-Apr-22	65.2	63.8	64.6
04-May-22	66.5	63.9	65.4
18-May-22	63.9	58.7	62.0
06-Jun-22	63.6	59.4	62.0
22-Jun-22	62.6	57.3	60.7
07-Jul-22	63.6	57.6	61.6
21-Jul-22	66.7	63.8	65.5
03-Aug-22	62.9	57.6	61.0
18-Aug-22	64.9	62.7	63.9
12-Sep-22	65.8	63.3	64.7
21-Sep-22	66.3	64.2	65.4
06-Oct-22	66.3	64.3	65.4
26-Oct-22	65.9	62.6	64.6
07-Nov-22	63.4	56.2	61.1
21-Nov-22	60.4	59.4	59.9
08-Dec-22	62.6	57.4	60.7
22-Dec-22	63.3	58.4	61.5
04-Jan-23	66.3	62.1	64.7
17-Jan-23	66.7	62.4	65.1
13-Feb-23	63.3	59.8	61.9
23-Feb-23	63.8	58.6	61.9
09-Mar-23	63.3	59.8	61.9
23-Mar-23	62.5	56.3	60.4
Brief Statistic	Day	Night	Leq DN
Minimum	60.4	56.2	59.5
Maximum	66.7	64.3	65.5
Mean	64.2	60.3	62.7

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JOB NO.750001

Graph Showing Noies for VIP Guest House, IB Valley
(Reported Only)



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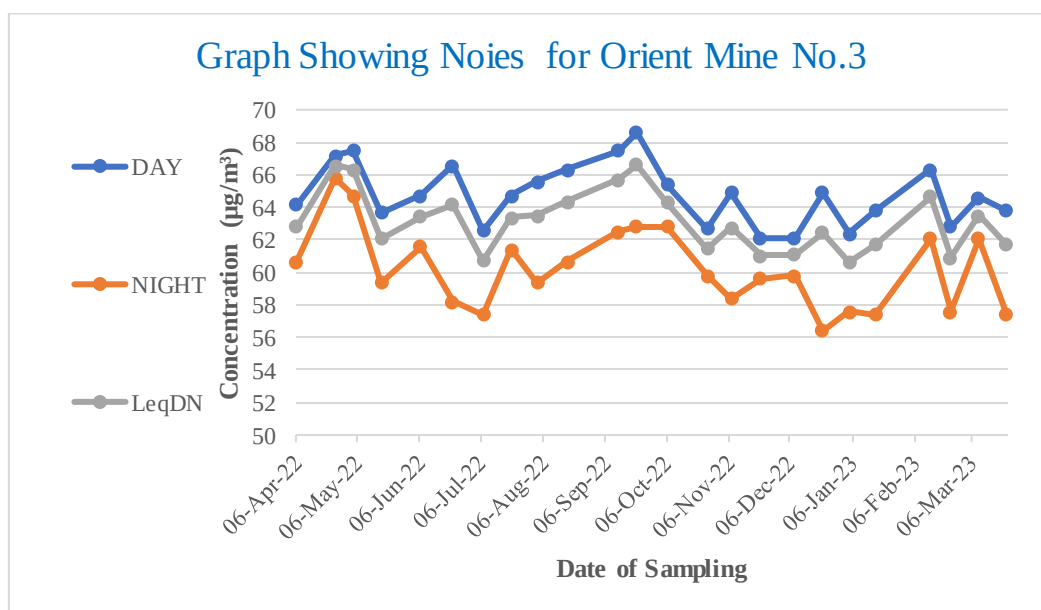
JOB NO.750001

Table: 464
Area: Orient
Project: Orient Mine No.3
Monitoring Station: Orient Mine No.3

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	64.2	60.7	62.8
25-Apr-22	67.2	65.8	66.6
04-May-22	67.5	64.7	66.3
18-May-22	63.7	59.4	62.1
06-Jun-22	64.7	61.6	63.4
22-Jun-22	66.6	58.2	64.2
07-Jul-22	62.6	57.4	60.7
21-Jul-22	64.7	61.4	63.4
03-Aug-22	65.6	59.4	63.5
18-Aug-22	66.3	60.7	64.3
12-Sep-22	67.5	62.5	65.7
21-Sep-22	68.6	62.8	66.6
06-Oct-22	65.4	62.8	64.3
26-Oct-22	62.7	59.8	61.5
07-Nov-22	64.9	58.4	62.8
21-Nov-22	62.1	59.6	61.0
08-Dec-22	62.1	59.8	61.1
22-Dec-22	64.9	56.4	62.5
04-Jan-23	62.4	57.6	60.6
17-Jan-23	63.8	57.4	61.7
13-Feb-23	66.3	62.1	64.7
23-Feb-23	62.8	57.6	60.9
09-Mar-23	64.6	62.1	63.5
23-Mar-23	63.8	57.4	61.7
Brief Statistic	Day	Night	Leq DN
Minimum	62.1	56.4	60.6
Maximum	68.6	65.8	66.6
Mean	64.8	60.2	63.2

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Table: 465
Area: Orient
Project: HBI Mine
Monitoring Station: Bundia Colony Pump House

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	62.8	59.4	61.4
25-Apr-22	65.9	62.3	64.5
04-May-22	66.1	62.3	64.6
18-May-22	62.6	57.6	60.8
06-Jun-22	64.6	57.3	62.3
22-Jun-22	62.9	57.3	60.9
07-Jul-22	62.6	57.6	60.8
21-Jul-22	65.4	62.7	64.3
03-Aug-22	63.4	57.6	61.4
18-Aug-22	63.7	60.6	62.4
12-Sep-22	65.1	61.8	63.8
21-Sep-22	64.6	60.9	63.1
06-Oct-22	66.5	63.5	65.3
26-Oct-22	66.7	60.3	64.6
07-Nov-22	64.3	59.8	62.6
21-Nov-22	62.8	56.4	60.7
08-Dec-22	62.6	58.4	61.0
22-Dec-22	64.6	59.2	62.7
04-Jan-23	63.4	57.4	61.4
17-Jan-23	64.6	59.3	62.7
13-Feb-23	66.7	62.7	65.1
23-Feb-23	63.3	57.9	61.4
09-Mar-23	64.9	60.6	63.3
23-Mar-23	63.2	60.8	62.2
Brief Statistic	Day	Night	Leq DN
Minimum	62.6	56.4	60.7
Maximum	66.7	63.5	65.3
Mean	64.3	59.7	62.6

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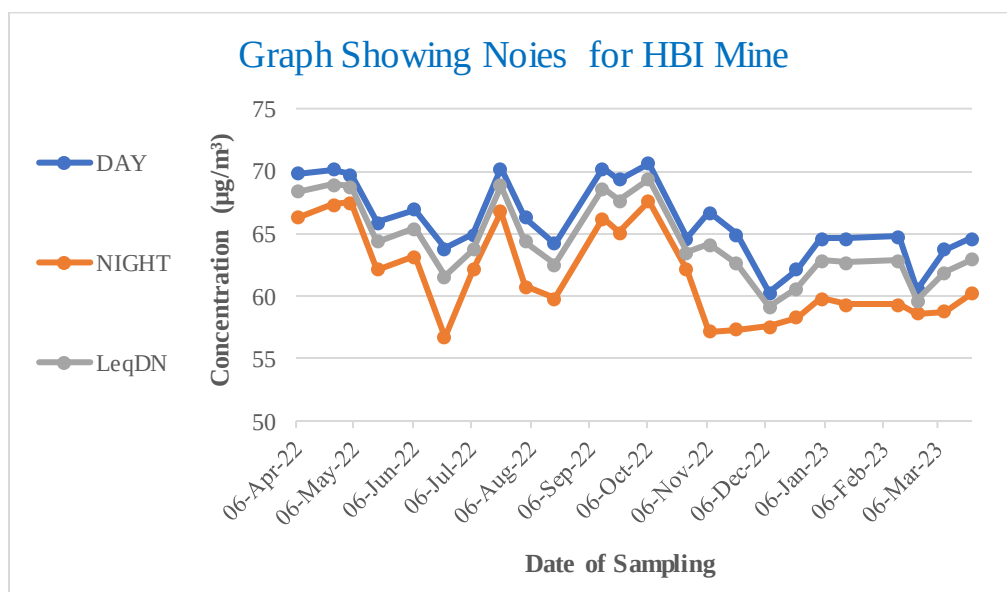
JOB NO.750001

Table: 466
Area: Orient
Project: HBI Mine
Monitoring Station: HBI Mine

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	69.8	66.3	68.4
25-Apr-22	70.1	67.3	68.9
04-May-22	69.7	67.5	68.7
18-May-22	65.9	62.1	64.4
06-Jun-22	66.9	63.2	65.4
22-Jun-22	63.8	56.7	61.6
07-Jul-22	64.9	62.1	63.7
21-Jul-22	70.2	66.8	68.8
03-Aug-22	66.3	60.8	64.4
18-Aug-22	64.2	59.8	62.5
12-Sep-22	70.2	66.2	68.6
21-Sep-22	69.3	65.1	67.7
06-Oct-22	70.6	67.6	69.4
26-Oct-22	64.6	62.1	63.5
07-Nov-22	66.7	57.2	64.2
21-Nov-22	64.9	57.3	62.6
08-Dec-22	60.3	57.6	59.2
22-Dec-22	62.1	58.3	60.6
04-Jan-23	64.6	59.8	62.8
17-Jan-23	64.6	59.3	62.7
13-Feb-23	64.8	59.3	62.9
23-Feb-23	60.5	58.6	59.7
09-Mar-23	63.7	58.8	61.9
23-Mar-23	64.6	60.2	62.9
Brief Statistic	Day	Night	Leq DN
Minimum	60.3	56.7	59.2
Maximum	70.6	67.6	69.4
Mean	66.0	61.7	64.4

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JOB NO.750001

Table: 467

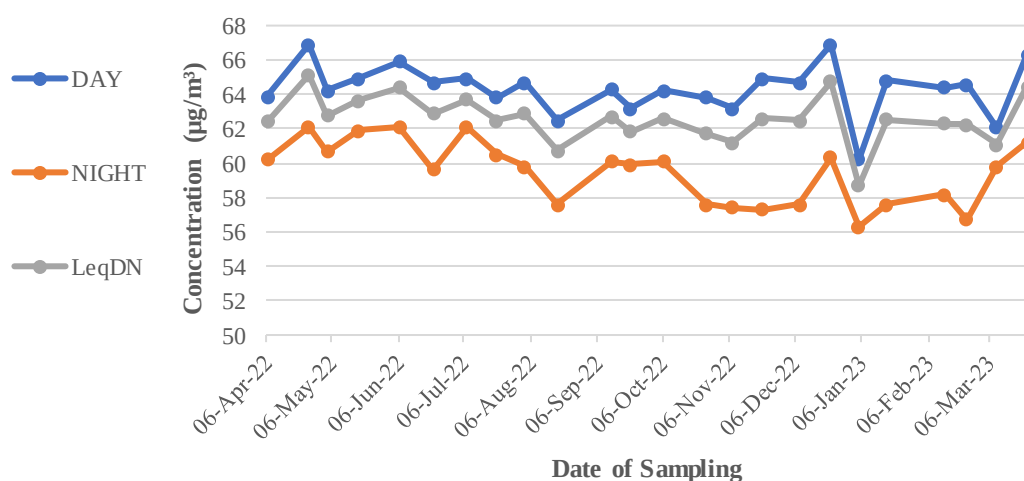
Area: Orient**Project:** HBI Mine**Monitoring Station:** Rampur Officer's Guest House

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	63.9	60.2	62.4
25-Apr-22	66.9	62.1	65.1
04-May-22	64.2	60.7	62.8
18-May-22	64.9	61.9	63.7
06-Jun-22	65.9	62.1	64.4
22-Jun-22	64.7	59.6	62.9
07-Jul-22	64.9	62.1	63.7
21-Jul-22	63.8	60.5	62.5
03-Aug-22	64.7	59.8	62.9
18-Aug-22	62.5	57.6	60.7
12-Sep-22	64.3	60.1	62.7
21-Sep-22	63.2	59.9	61.9
06-Oct-22	64.2	60.1	62.6
26-Oct-22	63.8	57.6	61.7
07-Nov-22	63.2	57.4	61.2
21-Nov-22	64.9	57.3	62.6
08-Dec-22	64.7	57.6	62.5
22-Dec-22	66.9	60.3	64.7
04-Jan-23	60.2	56.3	58.7
17-Jan-23	64.8	57.6	62.5
13-Feb-23	64.4	58.2	62.3
23-Feb-23	64.6	56.7	62.2
09-Mar-23	62.1	59.8	61.1
23-Mar-23	66.3	61.2	64.5
Brief Statistic	Day	Night	Leq DN
Minimum	60.2	56.3	58.7
Maximum	66.9	62.1	65.1
Mean	64.2	59.4	62.5

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Graph Showing Noies for Rampur Officer's Guest House



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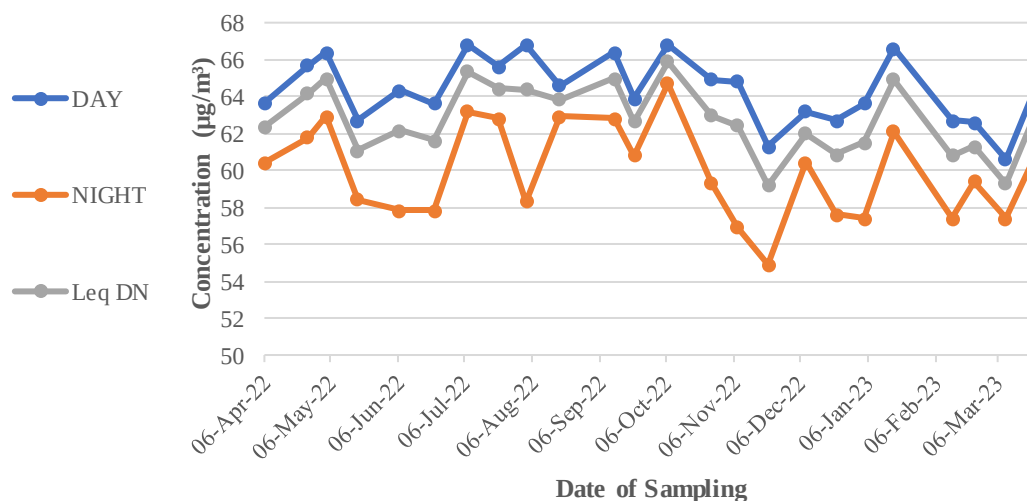
Table: 468
Area: Orient
Project: Orient Mine No.4
Monitoring Station: Orient Mine No.4

DATE	DAY	NIGHT	Leq(dB)
06-Apr-22	63.7	60.4	62.4
25-Apr-22	65.7	61.8	64.2
04-May-22	66.4	62.9	65.0
18-May-22	62.7	58.4	61.1
06-Jun-22	64.3	57.8	62.2
22-Jun-22	63.6	57.8	61.6
07-Jul-22	66.8	63.2	65.4
21-Jul-22	65.6	62.8	64.4
03-Aug-22	66.8	58.3	64.4
18-Aug-22	64.6	62.9	63.8
12-Sep-22	66.4	62.8	65.0
21-Sep-22	63.9	60.8	62.6
06-Oct-22	66.8	64.7	65.9
26-Oct-22	64.9	59.3	62.9
07-Nov-22	64.8	56.9	62.4
21-Nov-22	61.3	54.9	59.2
08-Dec-22	63.2	60.4	62.0
22-Dec-22	62.7	57.6	60.9
04-Jan-23	63.6	57.4	61.5
17-Jan-23	66.6	62.1	64.9
13-Feb-23	62.7	57.4	60.8
23-Feb-23	62.6	59.4	61.3
09-Mar-23	60.6	57.4	59.3
23-Mar-23	64.6	60.9	63.1
Brief Statistic	Day	Night	Leq DN
Minimum	60.6	54.9	59.2
Maximum	66.8	64.7	65.9
Mean	64.4	59.9	62.7

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Graph Showing Noies for Orient Mine No.4



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